e Itliming Iournal.

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

[The MINING JOURNAL is Registered at the General Post Office as a Newspaper and for Transmission Abroad]

No. 2334.-Vol' L.

LONDON, SATURDAY, MAY 15, 1880.

SUPPLEMENT. | PRICE SIXPENCE | PER ANNUM, BY POST, £1 49.

MR. JAMES H. CROFTS, STOCK AND SHARE BROKER, AND MINING SHARE DEALER No. 1. FINCH LANE, CORNHILL, LONDON, E.C.

ESTABLISHED 1842. Business transacted in all descriptions of Mining Stocks and Shares

(British and Foreign), Consols, Banks, Bonds (Foreign and Colonial), Railways, Insurance, Assurance, Telegraph, Tramway, Shipping, Canal, Gas, Water, and Dock Shares, and all Miscellaneous Shares. Russwess negociated in Stocks and Shares not having a general market

Every Friday a general and reliable List issued (a copy of which will be forwarded regularly on application), containing closing prices of the week.

MINES INSPECTED.

BANKERS: CITY BANK, LONDON-SOUTH CORNWALL BANK, ST. AUSTELL.

BANKERS: CITY BANK, LONDON—SOUTH CORNWALL

Special Dealings in the following, or part:—

10 Almada, 13s, 6d. 50 Javail, 6s, 6d.

20 Carnarvon Cop., 22s 6d.

10 Devon Consols, £13 76 6.

25 East Carbor, 21s. 25 Marke Vailey, £1 17 6.

25 East Caradon, £2 17 6.

26 E. Roman Grav., 16s

26 East Van, £3 18s. 9d.

27 Fingstaff, £1 8s. 9d.

28 Fingstaff, £1 8s. 9d.

29 Fontino, £4.

20 Gienrov, £2s, 6d.

20 Grogwinion, £3.

30 N. Penstruthal, £1½.

25 Pandora, £1.

26 Pandora, £1.

26 Pandora, £1.

36 Parice of Wales, 15s.

37 Parys Copper, £1 7 6.

20 Pestarena, 5s.

20 Ruby, £9 7s. 6d.
20 Richmond, £16¾.
10 Roman Gravels, £10½
50 S. Indian Gold, £2,
20 Santa Barbara, £2¾,
30 So. Condurrow, £11¾.
30 South Darren, £3½,
25 S. E. Wynaad, £2.
100 S. Penstruthal, 10s.
10 Tankerville, £4 17s 6d.
10 U. Van & Glyn, 13s.
100 West Phomix, £2½,
10 Wheal Crebor, £4.

RAILWAYS—SPECIAL BUSINESS. FOREIGN BONDS—SPECIAL BUSINESS. Fortnightly accounts opened on receipt of the usual cover.

JAMES H. CROFTS, 1, FINCH LANE, LONDON. ESTABLISHED 1842.

MR. W. H. BUMPUS, STOCK AND SHARE BROKER, AND MINING SHARE DEALER, 44, THREADNEEDLE STREET, LONDON, E.C. ESTABLISHED 1867.

BUSINESS transacted in STOCK EXCHANGE SECURITIES and MISCELLANEOUS SHARES of every description.

RAILWAYS, BANKS, FOREIGN and COLONIAL BONDS.

TRAMWAYS, TELEGRAPHS, and all the LEADING INVESYMENTS.

Accounts opened for the Fortnightly Settlement

A List of Investments free on application.

Mr. BUMPUS has SPECIAL BUSINESS in the undermentioned:

50 Albarda, 13s.
50 Aberlyn, 22s.
100 Bodieris.
210 Bodieris.
220 Frontino, 23 18s. 9d.
230 Flagstaff, 29s. 6d.
240 Frontino, 23 18s. 9d.
25 Great Holway.
25 Great Holway.
26 Great Holway.
27 Gopper, 23s.
28 Great Holway.
28 Great Holway.
29 Groper, 23s.
20 Herodsfoot, 23s.
21 Dolcoath, 25ss.
22 Dolcoath, 25ss.
23 Dolcoath, 25ss.
24 Marke Yalley, 40s.
25 East Pool, 23s.
26 East Pool, 23s.
27 Herobor, 19s. 6d.
28 Horebor, 19s. 6d.
29 Mellanear, £5 8s. 9d.
20 East Orebor, 19s. 6d.
20 Meand Crebor, 43s.
20 Herodsfoot, 23s.
20 Mellanear, £5 8s. 9d.
21 Mellanear, £5 8s. 9d.
22 Mellanear, £5 8s. 9d.
23 Wheal Grebor, 43s.
24 West Devon Consols.
25 Wheal Greov, £4s.
26 West Phemix, £2 11 3 Wheal Grenville, £20.
27 Horebor, 19s. 6d.
28 Horebor, 19s. 6d.
29 Mellanear, £5 8s. 9d.
20 Herodsfoot, 12s.
20 Mellanear, £5 8s. 9d.
21 Wheal Grenville, £20.
22 Hollows, 23s.
23 Herodor, 23s.
24 West Devon Consols.
25 Wheal Grenville, £20.
26 Wheal Crebor, 43s.
27 Wheal Grenville, £20.
28 PECIAL BUSINESS, at close prices, in the SHARES of all the principal HOME and FOREIGN MINES.

Mr. Bumpus devotes special attention to these Securities, and is in a position

Mr. Bumpus devotes special attention to these Securities, and is in a position to afford reliable information and advice to intending investors and others.

The following Mines are particularly recommended:

WHEAL GREEVILLE. WHEAL PEEVOR. WEST PEEVOR.

NEW PEEVOR. WHEAL SISTERS. WEST PHŒNIX.

PEN-YR-ORSEDD. DERWENT. SOUTH DARREN.

WILLIAM HENRY BUMPUS, SWORN BROKER.

OFFICES: 44, THREADNEEDLE STREET, LONDON, E.C.

ESTABLISHED 1867.

MR. J. ROSEWARNE, 3, COPTHALL BUILDINGS,
For some weeks past I have persistently called attention to the exceptional
merits of WEST DEVON CONSOLS. I have now returned from a personal inspection of this property, and can say without hesitation that the recent discovery is the best that has been made in this famous district for many years.
Bhares have advanced to £8, and will go considerably higher. It is gratifying
for me to know that my opinion is now confirmed by many practical miners.
Shares should be secured without delay.

PERDINAND R. KIRK, 5, BIRCHIN LANE, LONDON, E.C. LONDON, E.C. FORTNIGHTLY ACCOUNTS opened, on receipt of the usual "cover," in tallways Home and Foreign, Mining Shares, Foreign Bonds, and certain Missellaneous Securities.

Jimays Home and Foreign, Mining Shares, Fureign
Jimayous Securities.

"THE WEEK."—A SEPARATE EDITION from that which appears in the
ining Journal is published every Wednesday evening, containing "Notes and
ints on the Stock Markets," with Closing Prices. May be had on application.

BANKERS: LONDON AND WESTMINSTER. Lothbury.

MR. E. J BARTLETT, BRITISH AND FOREIGN STOCK AND SHARE DEALER, NO. 30, GREAT ST. HELEN'S, LONDON, E.O.

PEN-YR-ORSEDD, GREAT HOLWAY, and WEST HOLWAY shares should

see a great rise-rich courses of ore proved.

JUST OUT,

HOW TO INVEST," post free, 1s., Fourteenth Edition, much enlarged.

CHARLES J. SIMS, MINE OWNER, STOCK AND SHARE DEALER, 2, DRAPER'S GARDENS, THROGMORTON STREET, LONDON, E.C.

London, E.C.

Special and reliable information and advice on the mines of Devon and Cornwall, and of the Lianswall, and of the Lianswall properties of the Lianswall, and of the Lianswall, and of the Lianswall properties of the Mining.

Special information on Manganese Mines at home and abroad.

All business entrusted to C. J. Sims will have careful and prompt attention.

MESSRS. ENDEAN AND CO., STOCK AND SHARE DEALERS, 25, GRACECHURCH STREET, LONDON, E.C.

ESTABLISHED 1861.

BANKERS: LONDON AND WESTMINSTER, Lothbury: and BARCLAY, BEVAN, and CO., Lombard-street, E.O.

Messrs, Endean and Co. strongly advise the purchase of well selected Lead Mines at present low prices: "Van, Great Laxey, Roman Gravels, Llanrwst, and Tamar, also South Wheal Crebor (Copper). The next great rise will be in Lead Shares, and many of those now offering will be eagerly sought after at considerably higher prices immediately there is a run upon them.

Messrs, ENDEAN and Co. are prepared to deal in all the shares they recommend at close prices.

Messe. Express and Co. are prepared to deal in all the shakes and a stoles prices.

Messer. Express and Co strongly advise the purchase of CARN CAMBORNE shares. This mine lies between Dolcoath and South Condurrow: the former is selling for over £300,000, and the latter for nearly £30,000. Carn Camborne is in 8000 shares, now to be had for £25s, each. Vigorous operations will be at once commenced, and there is every reason to believe that Carn Camborne will prove in depth as rich as any of the great mines by which it is surrounded. Shares are CERTAIN to have a considerable rise in price. Good sales of tin and copper will be commenced within one month after the mine is in full work.

SHARE AND MARKETS.

Prices of STOCKS and SHARES in RAILWAYS, BANKS, ENGLISH and FOREIGN GOVERNMENT SECURITIES, GAS, MINES, INSURANCE, and other Stock Exchange Securities, and various important information forwarded on application to-

MESSRS. PETER WATSON AND CO., 18, AUSTIN FRIARS, OLD BROAD STREET, LONDON, E.C.

BUYER and SELLER of SHARES at the close Market Price of the day. BANKERS: THE ALLIANCE BANK (Limited).

PETER WATSON AND CO.'S BRITISH AND FOREIGN MONTHLY MINING NEWS -STOCK AND SHARE INVESTMENT NOTES - MINES, MINERALS, AND METAL MARKETS - SHARE LIST, No. 817, Vol. XV., for APRIL month, is now ready, and will be sent to customers on application.

Annual Subscription...... 5s. | Single Copy......

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M R. ALFRED E. DEL DEALER at NET PRICES in EVERY DESCRIPTION of STOCKS and SHARES,

76, OLD BROAD STREET, LONDON. ALFRED E .

ESTABLISHED 1853.

Over 13 years at the above offices, adjoining the Stock Exchange and Mining Markets. WHAT SHARES DO YOU RECOMMEND FOR AN EARLY
ADVANCE?
Investors requiring a reply to this question should send for the INVESTORS'
GAZETTE, published next Friday. Post free three stamps. The INVESTORS'
GAZETTE has given more profitable advice than any Private Circular.

Edited by— Mr. ALFRED E. COOKE, 76, OLD BROAD STREET, LONDON.

STOCKS AND SHARES,
FOREIGN BONDS, TELEGRAPHS, TRAMWAYS, RAILWAYS, AND
OTHER LEADING SECURITIES.

MR. JAMES STOCKER, STOCKER,
2, CROWN COURT, THREADNEEDLE STREET, LONDON, E.O.

ESTABLISHED 1848.
SPECIAL BUSINESS in the following:—
Almada Consoli, 13s.
Gunnislake (Clit.), £5.
Carn Brea, £85½.
Chontales.
Consolidated, 18s. 9d.
Chontales.
Consolidated, 18s. 9d.
Derwent, £2½.
Devon Gt. Cons, £13.
Ladywell, 10s.
Derwent, £2½.
Ladywell, 10s.
South Darren, £34.
South Darren, £34.
South Frances, £18½.
South Inflan, \$8s. 6d.

SPECIAL BUSINESS Almada Consoli, 13s. Carn Bres, 285%. Consolidated, 18s. 9d. Derwent, £25%. Devon Gt. Cons, £13. Don Pedro, 13s. 6d. E. Rom. Gravels, 16s. 6d. East Caradon, £2 16s. 6d. East Caradon, £2 16s. 6d. Eberhardt, £3 16s. 3d. Emma, 12s. 6d. Exchequer, Plagstaff, 29s. Glenroy, 20s.

Last Chance. Marke Valley, 37s. 6d. North Penstruthal. North Fenstruthal. Nouveau Monde, 42s 6d N. Zeal. Kapanga, 23s 9d Parys Corpora., 26s. 6d. Pestarena, 5s. 9d. Polrose, 46s. 9d. Port Phillip, 11s. Prince of Wales, 15s. 6d Richmond, £16%. Roman Gravels, £10 6 3 Ruby, £9 6s. 3d. South Darren, £3%. So. East Wynaad, 42s 6d South Frances, £18%. South Indian, 38s. 6d. Wheal Basset, £4%. West Caradon, £3%. Wheal Crebor, £4%. Wheal Grenville, £9%. Wheal Peevor, £28%. Wheal Peevor, £28%. West Devon, £3%.

JOHN B. REYNOLDS, STOCK AND SHARE DEALER, 37, WALBROOK, LONDON, E.C. ESTABLISHED 20 YEARS.—BANKERS: LONDON & SOUTH-WESTERN.

Mr. REYNOLDS deals promptly at close prices in all descriptions of Stocks and Shares, making a speciality of MINES, concerning which he can get accurate information.

Mr. REYNOLDS points to the results of his recommendation of Mines in the Peevor district as an illustration of the profits which can be made, and irrespective of market fluctuations, which no one can foresee. He emphatically recommends the purchase of BLUE HILLS and WEST

PEEVORS, and notes the advance which has taken place in these shares since last Saturday, and also refers to his repeated recommendations of them. WEST KITTY will be the leading mine in the St. Agnes district, and must

inevitably have a still further and great advance in market value Mr. REYNOLDS also recommends NEW COOK'S KITCHENS, NEW KITTYS, and WEST PEEVORS for a rise of more than cent. per cent.

NOTICE OF REMOVAL.

GRANVIL LE SHARP. 32, QUEEN VICTORIA STREET, LONDON, E.C.

MR. EDWARD ASHMEAD has REMOVED from Cornhill Chambers, 62, Cornhill, London, E.C., to No. 2, DRAPER'S GARDENS, THROGMORTON STREET, LONDON, E.C.

MR. W. B. COBB, STOCK AND SHARE DEALER,
29, BISHOPSGATE-STREET, LONDON, E.C.
Business transacted in every description of Stocks and Shares. Fortnightly
accounts opened on receipt of usual cover.
BWLCH UNITED.—The dressing-floors will shortly be ready to prepare for
market the large quantity of ore now at surface, from which a good dividend is
secured.
BANKERS: ALLIANCE BANK (Limited).

THE IMPORTANT DISCOVERY OF LEAD AT SOUTH D'ERESBY MINE. SPECIAL REPORT, by Capt. ABSALOM FRANCIS, post free on application to EKINS AND CO., 14, QUEEN VICTORIA STREET, LONDON, E.C.

A N C I S F R A N C MINING ENGINEER, STOCK AND SHARE BROKER, CORN EXCHANGE CHAMBERS, CHESTER. CIS FR IS,

FOR INFORMATION concerning latest development of the HALKYN DISTRICT MINES DRAINAGE COMPANY, presided over by HIS GRACE THE DUKE OF WESTMINSTER, and now being successfully prosecuted for the purpose of draining, by means of Adit Levels or Tunnels, some of THE RICHEST AND MOST RENOWNED MINES IN THIS COUNTRY (safe, and, it is believed, unequalled Investments); also for information concerning PITANGUI, SANTA BARBARA, and other Brazilian Gold Mines, offering indubitable prospects of success.—Apply to above.

M R. JOHN L. M. FRASE (Fourteen Years at the Great Minera Mines) CONSULTING MINING ENGINEER, &c., GREENFIELD HOUSE, WREXHAM. FRASER

Mines managed and Secretaried from £150 per annum. Inspections from £3 3s., and expenses.

All descriptions of MINING PLANT and STORES at the lowest possible prices.

Enquiries courted.

PROFITABLE INVESTMENT, estimated to yield 25 per cent. per annum, and increase in value 300 to 500 per cent. BRITISH SILVER-LEAD MINES: Large bodies of rich silver-lead and blende ores proved in Eastern shaft, and for several hundred yards west. Only a few shares at £2½ carb ON SALE. Report of Capt.

A. Francis, Gwernymynydd Mines, and all information on application.

C H A R L E S T H O M A S MINING AGENT, STOCK AND SHARE DEALER. 3, GREAT ST. HELEN'S, LONDON, E.C.

M R. A L F R E D T H O M A S.

MINING AGENT, AND STOCK AND SHARE DEALER,

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Second Edition, price 6d.
"HOW TO TAKE ADVANTAGE OF THE COMING RISE IN PRICES."

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PER ANNUM ON PRESENT OUTLAY.

S H A R P'S IN V E S T M E N T C I R C U L A R .

The MAY EDITION (post free),

The MAY EDITION (post free),

SHOULD BE CONSULTED BY INVESTORS AND SHAREHOLDERS.

It is a Reliable "Guide," giving valuable information and Sound Advice, trives Market prices; Dividends upon outlay, when payable; Reports, &c., it CONTAINS ALL THE SAFE INVESTMENTS IN THE FOLLOWING:—
English, Foreign Railways.
Preference, Debenture Blocks.
Indian, American Stocks.
Bank, Financial Shares
Tramway, Telegraph Shares.
Municipal Bonds.

HENRY GOULD SHARP, STOCK AND SHARE BROKER, 42, POULTRY, LONDON, E.C.—ESTABLISHED 1852.
BANKERS: LONDON AND WESTMINSTER, Lothbury, London, E.C.

TO INVESTORS IN MINES.—SPECIALLY RECOMMENDED.

A SAFE INVESTMENT, PAYING £11 10s. PER CENT. PER ANNUM.

DIVIDENDS WILL INGEASE—SHARES WILL RISE
100 TO 200 PER CENT.

H. GOULD SHARP advises the purchase of SOUTH DARREN shares for a
rise of 100 to 200 per cent., excluding present dividends of £11 10s. per cent. per
annum, at present price, £3 10s. per share. They are the cheapest Lead shares
on the market, and sale to buy.

annum, at present price, £3 10s. per share. They are the cheapest Lead shares on the market, and safe to buy.

OUTH DARREN SEL N SILVER-LEAD MINE (LIMITED),
CARDIGANSHIRE, SOUTH WALES.
IN 9000 SHARES OFEL 10s. EACH. FULLY PAID. PRICE £3 10s. PER SHARE.
No further liability.
This valuable and profitable Silver-Lead Mine is situate in the rich mineral district of Cardiganshire, a district which has proved immensely profitable, in which hundreds of thousands of pounds have been paid in dividends.
RETURNS.—They sell 55 tons of silver-lead ore monthly, excluding copper, making a profit of over £1000 per quarter. These profits will shortly increase, but with the present price for lead shares pay 11½ per cent. per annum at £2 10s. each. Shares will rise considerably in value, and dividends increase to 12s. or 16s. and 20s. per share yearly on £3 10s. per share. Under former disadvantages of working this property, it gave the shareholders nearly £7000 in dividends.
PROFITS.—The present profits are over £350 per month on 55 tons of silver-lead ore (including copper), and with increased monthly sales dividends will increase 100 per cent., and shares rise 100 to 200 per cent.

DIVIDENDS.—The dividends are paid quarterly. January dividend was 2s. per share.
April dividend was 2s. per share, and but for the fall in lead would have been 2s. 5d. per share.
After providing for the April quarterly dividend of 2s. per share.
After providing for the April quarterly dividend of 2s. per share.
RESERVES.—The present reserves of silver-lead ore (exclusive of tribute pitches) are estimated at 1700 tons, which at £16 per ton gives a money value of To. INVESTORS.—I advise my readers to accure 100 to 1000 shares, at £3 10s.,

FOUR MONTHS' SALES OF ORE FROM SOUTH DARREN FOR 1880.

	DITTAT	2 17 - 72 12 73	TO OTE 9	OLD.				
1880. No. o	f tons.	Price	9.	To	tal.			
Jan. 9	50	£18 4	0	£910	0 0			
Feb. 2			6	987	10 0			
March 19	55	16 10	0	907	10 0			
April 16	55	16 0	0	880	0 0	£3693	0	0
-	co	PPER	ORE SOL	D.				
Jan. 9	15	€ 9 18	0	£148	10 0			
	35	2 18		102	7 6			
April 16	33	2 6	0	75	18 0			
,,	17	8 1	0	136	17 0-	463	12	6
Making a tota	l of Lead an	d Copp	er for four	month	of	£4156	12	6

The final control of the control | Making a total of Lead and Copper for four molecules of the control of Lead and Copper for four molecules of the control of Mine. Price share.
Van £18 10
Great Laxey. 15 10
Roman Gravelle 4 15
Leadhills 3 0
Grogwinion 3 0
East Van 3 10 Market value.

16,000 ... SouTH DARREN 3 10 0 0 8 0 11 10 0 13,500

This proves Bouth Darren to be by far the cheapest share, and if they pay £11 10s. per cent. yearly with present price of lead they will double their dividends and shares double or treble their present value with a rise in lead, which will come. Shares are far below their intrinsic value, being honestly worth £5

Working cost for three months ...

Dues at 1-20th
Sundries (say) £1655 0 0 145 0 0 100 0 0-- 1900 0 0

Minimum profit per quarter Or profit for the year at 55 tons of lead per month.... £4000 0 0

Showing a dividend of £13 per cent. per annum on shares at £3 10s. each.

NOTE.—50 tons of silver-lead ore sold in January for £310, while 55 tons sold
April for £880, a difference of £130 less, including the 5 extra tons. Had lead

t fallen the 55 tons would have realised £1001, a difference of £132 on 12 months'

leaves I advise the £10ECHASE of South Dargen shares at \$3.16s. sale, hence I advise the PURCHASE of South Darren shares at £3 10s.

I am a BUYER of FIVE HUNDRED or ONE THOUSAND SHARES
£3 7s. 6d. each.

HENRY GOULD SHARP, STOCK AND SHARE BROKER,

42, POULTRY, LONDON, E.C.—ESTABLISHED 1852.
BANKERS: LONDON AND WESTMINSTER, Lothbury, London, E.C.

MR. THOMAS THOMPSON, JUN., STOCK BROKER,
16, ST. SWITHIN'S LANE, E.C.
Mr. THOMPSON transacts business in every species of Stock Exchange and mr. Thumpsurfules.
Mr. Thompsur affords reliable information to investors, and can give, when
desired, a list of first-class Stocks and Shares, yielding 4 to 10 per cent. dividends Mr. Thompson's weekly Circular may be had on application.

IMPORTANT TO SHAREHOLDERS AND INTENDING INVESTORS.

MESSRS. THOMPSON AND SON, 14, OLD TOWN STREET,
PLYMOUTH, in their publication, "SOW AND REAP," point out the
most desirable and profitable investments for money. Sent post free on application. The May number is now in the Press.
The Fortescue (Stannagwyn) shares should be bought at once,

A COMPLETE, PORTABLE, AND EFFICIENT SMITHY FOR £7 7s.



HURRICANE" PORTABLE FORGE

(HARDINGE'S PATENT).

A Complete and Portable Smithy, possessing a Powerful Blast, a Forge. a Hearth. a Vice, an Anvil, a Rivetter's Hearth,



a Brazier's Hearth, a Mine Ventilating Apparatus, a Tool Grinder (Emery), a Cutter, a Circular Saw and Bench, a Polishing Wheel, a Chuck, Two Drills,

a Drill Rest,

and a Tool Box.



PATENTED IN EUROPE AND AMERICA.

The "Hurricanu" Patent Portable Forges possess advantages unobtainable with Forges of any other description. They commend themselves to the world, not only as being complete and portable Smithies and mine and ship ventilators of the highest practical value, but also for the extreme ease with which they are worked, the simplicity and compactness of their construction, and the steady continuous blast, which speedily creates an unusually high degree of heat. The "Hurricane" Portable Forges are made in nine distinct sizes, embrace attachments which form a complete smithy, and are suitable for all purposes in all climates.

The Rivetter's Hearth is readily connected to the nozzle of the forge by means of a flexible tube, and can be used in any awkward position for keeping rivets hot and close to the work. The Brazier's Hearth is similarly worked, but is constructed with a nozzle on opposite sides for producing heat equally on both sides of the work, and is particularly adapted for brazing band saws, &c. Hand Blowers for all ventilating purposes, and for fixed blacksmiths' hearths, are made on a new principle.

The Lever Handle can be used at any angle, or taken off altogether, and the Treadle used instead. There is a Recovering Spring to raise the Handle or Treadle. This arrangement secures all the easy motion of the old-fashioned bellows, is worked with much less effort than the Rotary Hand Wheel, and there are no Leather Bands to be burnt, no Cranks, and consequently no "Dead Centres." Three larger sizes than those given below are kept in stock.

A 1-INCH BAR OF IRON CAN BE RAISED TO A WELDING HEAT IN TWO-AND-A-HALF MINUTES.

PRICES. £8 8s. Od. £5 15s. Od. standard

No. 2.—Ditto Ditto. Weight, 156 lbs. Fitted with a 2½-inch Vice and Anvil combined 25s. extra. Muffler, 15s. extra. Extra friction wheels, 1s. each.

No. 3.—Ditto Ditto. Weight, 156 lbs. Fitted with 2½-in. Vice with Anvil, 4-in. Emery Wheel or Grindstone, Chuck, Cutter, and two Drills, a Buffling Wheel or Polisher, Spanner, Tool Chest, Lock and Key, &c. Lever and Treadle. Muffler, 15s. extra.

No. 3.—Forge and Treadle, 26 in. by 34 in. Weight, 160 lbs.: 10-in. patent Fan Blast, Spanners, and 5-in. Emery Wheel, complete on frame with four legs and two travelling wheels. £7 7s. 0d. Lever and Treadle £8 8s. Od. £10 10s. 0d.

Rivetters' Hearths, 15 in. by 15 in., 27s. 6d. Union and Sockets for 1%-in. tube, 12s. 6d. Flexible Tubing, 1%-in., 1s. 6d. per foot.

The Foreman Engineer and Draughtman of December 1st, 1879, states:—

Fontable Foness.—By far the most comprehensive and complete arrangement we have ever seen for its purpose is the "Hurricane" Forge. It would appear that the inventor and patentee had foreseen and provided for every contingency which could possibly arise in connection with smithy work in this multime in parce forge. In small compass, and at small compass, and at small counts, contractor, engineer, boiler-maker, ironmonger, gasfitter, and many other employers of labour have in it an invaluable assistant, whilst to Colonists its companionship is indispensable. We predict for the "Hurricane" Forge unlimited success.

For Drawings, Prices of Larger Sizes, Trade and Export Terms, Testimonials, Agencies, and Licenses to Manufacture apply to-

THE "HURRICANE" PORTABLE FORGE CO., 147, QUEEN VICTORIA STREET, LONDON, E.C.

BICKFORD'S PATENT



SAFETY FUSE

Obtained the PRIZE MEDALS at the "ROYAL EXHIBITION" of 1851; at he "INTERNATIONAL EXHIBITION" of 1882 and 1874, in London; at the IMPERIAL EXPOSITION, held in Paris in 1855; at the "INTERNATIONAL EXHIBITION," in Dublin, 1865; at the "UNIVERSAL EXPOSITION," in Paris, 1867; at the "GREAT INDUSTRIAL EXHIBITION," at Itoma, in 1869; TWO MEDALS at the "UNIVERSAL EXHIBITION," Vienna,, a 1873; and at the "EXPOSICION NACIONAL ARGENTINA," Cordova, outh America, 1872.



DICKFORD, SMITH, AND CO., of TUCKINGMILL, CORNWALL; ADELPHI BANK CHAMBERS, SOUTH JOHN STREET, LIVER-POOL; and 85, GRACECHURCH STREET, LONDON, E.C., MANUFACTURERS AND ORIGINAL PATEN TEES OSAPETY FUSE, having been informed that the name of their firm has been attached to fuse not of their manufacture, beg for call the attention of the trade and public to the following announcement:—

EVERY COLL of FUSE MANUFACTURED by them has TWO SEPARATE THREADS PASSING THROUGH the COLUMN of GUNPOWDER, and BICK POED, SMITH, AND CO. CLAIM SUCH TWO SEPARATE THREADS AS ITEM TRADE MARK.

WEST OF ENGLAND GUNPOWDER COMPANY,

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Registration of New Companies.

The following joint-stock companies have been duly registered:—
DEEP LEVEL MINING COMPANY (Limited).—Capital 20,000L, in shares of 1L. To acquire on lease the Halkin and Deep Level Mines, situate in Flintshire, along with the works, plant, machinery, and effects thereunto appertaining, and any other mining property, selling or disposing of the same, granting licences, and all other similar rights reserved. The subscribers (who take one share each) are—S. J. Wilde, 10, Serjeants' Inn, barrister; R. Taylor, 6, Queen-street-place, C.E.; J. Taylor, 6, Queen-street-place, C.E.; R. H. Taylor, 6, Queen-street-place, c.E.; B. Williams, 5, Queen-street-place, secretary; W. G. Williams, 5, Queen-street-place, secretary; J. Elphick, West Hackney, accountant. The subscribers will determine the first directors, and the general managers shall be J. Taylor and Sons, of Queen-street-place.

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27, Sackville-street; E. Gardner, Battersea; J. Keyworth, 20, Regentstreet; J. Jacobs, 23, Queen Victoria-street; W. W. Locke, 21, Upper Woburn-place.

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5000., in shares of 10t. To manufacture, fit up, and use refrigerating chambers, and apparatus of all kinds. The subscribers are—P. E. Lockwood, 24, Holborn Viaduct, 100; L. Briant, Brixton, 1; B. D. Patter, North Bow, 1; T. G. Kelley, 8, Snow Hill, 1; M. Burroughs, 8, Snow Hill, 1; E. R. Southby, Hampstead, 30; K. Knott, 283,

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The Patents Development Company (Limited).—Capital

share each) are—W. H. Longman, Highgate; E. Johnson, 110, Cannon-street; J. Mumford, Brixton; A. S. Taylor, Brixton; R. Longman, 17, Gresham-street; A. B. Johnson, Lewisham; R. Hurtz,

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THE BILIN NATURAL MINERAL WATER COMPANY (Limited).—
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PROVINCIAL STOCK AND SHARE MARKETS.

PROVINCIAL STOCK AND SHARE MARKETS.

CORNISH MINE SHARE MARKET.—Mr. JOHN CARTER, mine share dealer, Camborne, May 13, writes:—Prices declined sharply early in the week, but to-day the market closes a little firmer. On the 10th inst. the tin standards were reduced 5s., making them 77s. and 78s. Closing prices herewith:—Blue Hills, 3½ to 4½; Cann Brea 50 to 82½; Cook's Kitchen, 6½ to 7; North Busy, 24s. to 26s.; Penhalls, 2½ to 3; Phonix. 5 to 5½; Pedn-an-drea, ½ to ½; Suth Condurrow, 11 to 11½; South Crofty, 14½ to 15; South Frances, 17½ to 18; Tincroft, 18½ to 19; West Basset, 18½ to 19; West Frances, 16½ to 17½; West Peovor, 7 to 7½; West Seton, 22 to 24; West Toigus, 59 to 6; West Poldice, 2½ to 2½; Wheal Agar, 6½ to 6½; Wheal Genorille, 9½ to 10; Wheal Jane, 4 to 4½; Wheal Kitty, 5½ to 5½; Wheal Poevor, 25 to 29; Wheal Uny, 4 to 4½; Wheal Sisters, 3 to 3½.

Mr. J. H. REYNOLDS, stock and share broker, Redruth (May 13), writes:—

Wheal Feevor, 28 to 29; Wheal Uny, 4 to 4½; Wheal Sisters, 3 to 3½.

Mr. J. H. Reynolds, stock and share broker, Redruth (May 13), writes:—During the week the Cornish mine share market has been quiet, and lower prices prevailing, but closes to day rather better, with more business doing at advanced rates, as subjoined:—Blue Hills, 4½ to 4½; Stotallack, 22 to 24; Carn Bree, 82 to 84; Cook's Kitchen, 8½ to 9½; Dolcoath, 56 to 57; East Caradon, 3½ to 3½; East Lovel, 2 to 2½; East Pool, 33 to 34; Herodsfoot, 4 to 4½; Killifreth, ½ to ½; Marke Valley, 2 to 2½; Mellancar, 5 to 5½; New Cook's Kitchen, 7 to 7½; North Busy, 1½ to 1½; North Herodsfoot, 4½ to 4½; Killifreth, ½ to 1½; Pedn-an-drea, ¾ to 1; Pendarves United, 9 to 10; Phœnix, 5 to 5½; Penhalls, 2½ to 3; South Caradon, 125 to 135; South Condurvey, 11 to 11½; South Crofty, 14 to 15; South Frances, 17½ to 18½; St. Aubyn United, 10 to 12; Tincroft, 18½ to 19; West Basset, 18½ to 19; West Chiverton, ½ to 1; West Frances, 16 to 17; West Kitty, 2 to 2½; West Peevor, 7 to 7½; West Seton, 21 to 23; West Tolgus, 80 to 62; Wheal Agar, 6½ to 7; Wheal Basset, 4 to 4½; Wheal Crebor, 4½ to 4½; Wheal Crebor, 4½ to 4½; Wheal Crebor, 4½ to 4½; Wheal Grenville, 9½ to 10½; Wheal Staters, 3 to 3½; Wheal Peevor, 28 to 29; Wheal Agar, 6½ to 7; Wheal Sitters, 3 to 3½; Wheal Peevor, 28 to 29; Wheal Agar, 6½ to 7; Wheal Kitty (St. Agnes), 5½ to 5½; Wheal Peevor, 28 to 29; Wheal Agar, 6½ to 7; Wheal Sitters, 3 to 3½; Wheal Peevor, 28 to 29; Wheal Agar, 6½ to 1½; Wheal Sitters, 3 to 3½; Wheal Lyr, 5 to 5½.

Mr. S. D. Aykey, mine sharedealer, Redruth (May 13) writes:—Our market

5%; Wheal Peevor, 22 to 29; Wheal Prussia, 1½ to 1½; Wheal Sisters, 3 to 3½; Wheal Uny, 5 to 5½.

— Mr. S. J. Davev, mine sharedealer, Redruth (May 12) writes:—Our market has been duil during the week, with prices declining, but at the close shares are in better demand at somewhat higher quotations. The tin standards fell 5s. on Monday. Carn Brea shares fell 4t., Dolcoath 3t., East Pool 2t., South Crofty 1t., Tincroft 30s., West Frances 1t., and Wheal Peevor 1t. Cook's Kitchen, a devanged 1t. The following are to-day's prices:—Blue Hillis, 4 to 4½; Carn Brea, 82 to 84; Cook's Kitchen, 9 to 9½; Dolcoath, 55½ to 57½; East Pool, 33½ to 34½; Kill-freth, ½ to ½; Mellaneat, 5 to 5½; New Cook's Kitchen, 6 to 9½; Mellaneat, 5 to 5½; New Cook's Kitchen, 6 to 9½; Whellaneat, 5 to 5½; New Cook's Kitchen, 6 to 9½; Worth Blusy, 27s. to 29s.; Penhaus, 2½ to 3; South Condurrow, 11 to 11½; South Crofty, 14½ to 15; South Frances, 17½ to 18½; Tincroft, 18½ to 19½; West Basset, 18½ to 19; West Frances, 17½ to 17½; West Peevor, 7 to 8; West Poldice, 2 to 2½; West Ston, 22 to 24; Wheal Agar, 6½ to 6½; Wheal Basset, 4 to 4½; Wheal Grarville, 9½ to 10; Wheal Jane, 3½ to 4; Wheal Kitty, 5 to 5½; Wheal Prevsia, 1½ to 1½; Wheal Unv, 4½ to 4½. — Mr. M. W. BawDess, Liskeard (May 13), writes:—Mining market exceedingly dull and inactive, although good stock find buyers at reduced prices. Cook's Kitchen advanced to 9½; to del improved at the bottom level. Butjoined are the closing quotations:—Bedford United, ½ to ½; Carn Brea, 80 to 82½; Ciltters, 5 to 5½; Cook's Kitchen, 9½ to 5; Frince of Wales, ½ to 1½; Glassgow Caradon, 1½ to 1½; Cham, Stea, 8½ to 9; Dolcoath, 65 to 57; Devon Conosis, 13 to 13½; East Caradon, 2½ to 3; East Pool, 32 to 33; Gawton, 1½ to 1½; Glassgow Caradon, 1½ to 1½; Cham, 5; to 5½; Prince of Wales, ½ to ½; South Caradon, 2½ to 3; West Basset, 17½ to 16; West Caradon, 3 to 3½; West Mary Ann, 1½ to 1½; West Basset, 17½ to 16; West Caradon, 3 to 3½; West Mary Ann, 1½ to 1½; West Basset, 17½ to 16; West Caradon, 3 to 3½; We

MANCHESTER.-Messrs. JOSEPH R. and W. P. BAINES, sharebrokers, MANCHESTER.—Messrs. JOSEPH R. and W. P. BAINES, sharebrokers, Queen's Chambers, Market-street (May 13), write—With the exception of the market for railways there is no general feature to notice this week, unless it may be the fact that alterations in prices are not so generally lower as they have tended during the past few weeks. A fair number of variations are noticeable, but there are very few that are at all severe. There is not much animation in the miscellaneous share market, nor is it likely there will be now till the Whitauntide holidays are over.

BANKS shares have not moved much in quotations, but a moderate amount of business has been done at about late quotations. The changes are 1 and ½ in National Provincial, and ditto, New, respectively, and an advance of ½ on Manchester and Salford.

BANKS shares have not moved muchin quotations, our almosterate animon to than ness has been done at about late quotations. The changes are 1 and ½ in National Provincial, and ditto, New, respectively, and an advance of ½ on Manchester and Salford.

INSURANCE have not produced many dealings, nor are the variations of any great moment They are—Higher: Equitable Fire ½, Lancashire and Yorkshire Accident Insurance ½. Lower: Imperial Marine ½, Royal (Liverpool) ½, Queen Insurance and English and Scottish Boiler ½, each.

Coal, Irox, AND Mining.—A rather better feeling is manifest in this class of shares, the market having lost in some measure the all round decline which had been the ruling feature for some little time back. A very fair business has been done considering the state of the trade generally, and the quotations showing advance bear a fair proportion to the aggregate of the alterations. Cammell's and John Brown's are each 2, West Cumberland 72, and Park Gate Iron ½ higher, the adverse changes being Sheepbridge Coal and Iron 3, Tharsis Sulphur and Copper, 2½, Ebbw Vale ½, A. Knowles and Sons and Consett ½ each, and Canadian Copper and Sulphur ½, lower. There are s few other adverse changes, but they are fractional.

Cotton Spinning and Manufacturing shares keep very dull, and the decision of the weavers of the Blackburn district to strike for an increase of wages will doubtless have the effect of making them still heavier, but there seems signs of the strike not being a protracted one, it having been announced to the employers at some of the mills in the district that the hands are prepared to resume work on the old terms, It seems hardly probable that this will be allowed, but the spirit evinced by a portion of the hands will doubtless have its effect on the resistance of the whole as a body. Prices move downwards, but slowly, so far as list quotations are concerned; still, shares pressed for sale would not realise list prices at the present time. The prices do not relapse quickly, however, owing to there

and Manchester Plate Glass shares are % higher. Bridgewater Navigation Five per cent. Pref. have been done repeatedly at between 1 and 1½ prem. (I. Paid). Westhead's are offered at about late prices. Other local miscellaneous shares are fairly steady.

RALEWAYS.—Since we last reported markets have been unfavourably influenced by the approach of the settlement and a general desire to curtail open accounts. The carrying over showed railways to be heavily "bulled," and rates for continuation advanced. Caledonians, however, were the exception rate in these, falling to 2s. 6d. takers, after having been 10s. givers. This did not affect the price, and dulness was evident, until traffics gave new life to operators, and quotations advanced sharply, but for this stock advance has been lost, and they coday close weak. In others, London and North-Western quoted ex New have improved 1, North British 2½. The A stock of the Southern lines 1 to 3½, and others ½ to 1. Lancashire and Vorkshire fell on tidings of the cotton operatives strike, but they have since recovered 1 on the opinion that this strike will be of short duration. In Canadians the downward movemenh has on the whole bear successful. Several reactions or curred, but contangoes were excessive, which induced many to close accounts, and with the poor traffic announced to-day (2to 32 increase) helped to influence the "bears" to further press the market, andfall the issues close, though above the worst of the day, weak and uncertain in tone. Atlantics have had one or two sharp falls, as as also have Erics, Pennsylvanians, and Americans generally.

HULL.—Mr. W. FOWLER SUTTON, stock and share broker, St. Mary's Chambers (May 13), writes:—Pending the accounts, railway stocks have shown quietness as a rule, but the passenger lines exhibited considerable vitality, and both Brighton and South-Eastern, A, show advanced quotations, the general opinion being they will still go higher. Chatham also have shown more life, but moveslowly. London and North-Western looks cheap, ex th

CHESTER.—Mr. FRANCIS FRANCIS, stock and share broker, Corn CHESTER.—Mr. FRANCIS FRANCIS, stock and share broker, Corn Exchange Chambers (May 18), writes:—Local market firm, with a strong upward tendency, especially in some of the principal stocks. Halkyn District Drainage shares, 10 to 11; Rhosesmor, 3 to 4; Rhydalun, 10 to 10½; Pen-yr-Orsedd, 1½ to 1½; North Hendre, 6 to 7; Mwnbwll, par to ½ prem.; Deep Level (new shares), 1 to 1½; Gwern-y-Mynydd, 5 to 5½; Pant-y-Mwyn, at par; Gorsedd, 2 to 2½. Other local mining shares stagnant. Gold Mines: Pitangui, 2½ to 3½; 8t. John del Rey, 200 to 210; Banta Barbara, 2 to 2½; Brazilian Gold Mines, 1 to 1½; Frontino, 3½ to 3½; Coplapo, 8½ to 9. The sale of 60 tons from Rhosesmor at the Holywell ticketing to-day (20 more than was expected) keeps these shares in high estimation, with a decided upward tendency; and in sympatby with these the Halkyn District Drainage are also very strongly held, seeing that the royalty accruing from a monthly

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n-seess; gentle industrial side recognition of the control of the

sale at Rhosesmor alone of 80 tons puts the shareholders in view of a dividend of about 5 per cent. on their stock. The driving accomplished last week was 16 yards, and the forebreast indicates a probable tapping of fresh feeds of water. In Rhydalun the fine course of ore opening out in the south cross is looked upon as a leader to the main lode, which they daily expect to cutrich. Pitangui shares are tightly held pending advices from the mine as to the result of operations on the Ouro-Podre find, the sample taken out of the lode producing above 28 cas. of gold per ton. Santa Barbara shares are easier, but not unlikely to improve. The serious fall in St. John del Rey shares does not appear to be warranted by the authentic advices from Brazil.

NEWCASTLE-ON-TYNE STOCK EXCHANGE.-Messrs. SPENCE and IRWIN, stock and share brokers, Grey-street (May 13), write:—The strike in the iron trade, referred to in ours of last week, is settled, strike in the iron trade, referred to in ours of last week, is settled, but, notwithstanding, all our local iron companies' shares remain flat. The following are offered without tempting buyers:—Bede Metal and Chemical at 2½ dis.; Bolckow, Vaughan, and Co. (60. paid) A shares at 13 prem.; ditto, ditto, ditto, B shares at 39½; ditto, ditto, ditto, 5 per cent. pref. shares at 20½; Consett Iron, 15 prem.; Consett Spanish Ores, 32s.; Darlington Iron, 8½ dis.; John Abbot and Co., 12 dis.; Palmer's Shipbuilding and Iron Company's A shares, 23; ditto, ditto, ditto, ditto B shares, 8½ dis.; West Cumberland Iron and Steel, 7 dis.; 2 is bid for Teesdale Iron and Engine shares, whilst there are sellers at 2½; 4 is bid for Skerne Iron shares, and at the moment there is no seller under 5 Our local mining companies' shares remain precisely the same as last week, with very little doing.

SCOTCH MINING AND INDUSTRIAL COMPANIES SHARE MARKETS.

STIRLING .- Mr. J. GRANT MACLEAN, sharebroker and ironbroker (May 13), writes:—During the past week the dull state of business generally, and want of signs of recovery of activity, combined with the approach of the fortnightly settlement, have depressed prices, but the new account for settlement on May 28 commences with a

(May 13), writes:—During the past week the dult state of bulsness generally, and want of signs of recovery of activity, combined with the approach of the fortnightly settlement, have depressed prices, but the new account for settlement on May 28 commences with a better feeling. Particulars of the continuation business are given below. There has now been such a heavy fall in prices that investments prove more tempting. The business of the comparison is rendered move incombined through the depression ruling at the corresponding period last year; there is no doubt the returns indicate a satisfactory improvement in business. In shares of coal, iron, and steel companies the movements for the week comprise advances of 10s, per share on Bolckow, Vaughan, A, and Pife Coal, while Monkland, pref., have fallen 21s. 3d., Monkland, ordinary, 11s., Clyde Coal 8s., Marbella 7s., Chillington Iron 5s., Benhar 3s. 6d., and Omoa and Cleland 1s. 6d. The pig-iron warrant market has been steadier during the past week, from 56s. to 45s. 6d. Iron is increasing in favour as an investment at present prices, and likely to pay in the long run, although it is not quite certain that lower prices may first be seen. The market is now suffering from the over excitement of the previous six months accumulation of stocks and demand falling off, but still there are prospects of a so ander inspreasance. Benharidel, but according to the statement at the meeting this should be an improving property. Steel Company of Sectland, also Arniston Coal shares, are now quoted ex div., and a cail of 4t. per share making 3t. paid, is payable on Steel Company of Sectland, also Arniston Coal shares, are now quoted ex div., and a cail of 4t. per share making 3t. paid, is payable on Steel Company of Sectland, also Arniston Coal shares, are now quoted ex div., and a cail of 4t. per share making 3t. paid, is payable on Steel Company of Sectland new shares on June 1. Andrew Knowles and Sons are at 1 dis. Ashton Vale, 5t. Steel Company of Sectland 1s. Ashton Vale, 5t.

Davon Great Consols, 70s.; west Kitty, 30s. to 3ss.; West Pateley, 33s.; Wicklow Copper, 8s. 6d. to 7s. 6d.; Wheal Owles, 5; Wheal Crebor, 30s.; and Wheal Frances, 17.

In shares of gold and silver mines Richmonds, which are now quoted ex div., are firmer. This week's run has been \$65,000. The next dividend on \$1. John del Rey will, it is expected, be the same as before—25 per cent., and one of the directors is going out to Brazil to agitate for the alteration of the 4 per cent. tax imposed by the Provincial Government. Placerville Quartz Company has crushed 700 tons, yielding \$7300. Mine reported to be improving. The profit at Sierra Buttes for April has been \$6241, and at Plumas Eureks \$20,622. The Geld Company of Southern India have secured two freehold estates, comprising 900 acres in the heart of the gold-bearing regions. Almada, 11s. 3d.; Australasian Mines, 5s.; Colorado, 47s. 6d.; Consolidated, 16s. 3d. to 18s. 9d.; Don Pedro, 16s. 3d.; Emma, 7s. 6d. to 12s. 6d.; Exchequer, 5s. to 10s.; Berbardt, 51s. 3d.; Fisgstaff, 30s.; Frontino, 77s. 6d.; Gienrock Gold, 23s. 9d. to 30s.; I.X.L., 5s. to 10s.; Javali, 5s. to 7s. 6d.; Laxt Chance, 5s.; New Zeeland Kapanga, 22s. 6d. to 27s. 6d.; Pestarena, 5s. to 7s. 6d.; Port Phillip, 10s. to 12s.; Rio Grande, 50s.; Bossa Grande, 3s. 9d.; Santa Barbara, 33s. to 40s. exdiv.; and Tecoma, 3s. 9d. to 5s.

In shares of oil companies Young's Paraffin are 2s. 6d. better, but Broxburn have declined 12s. 6d.; Uphall, 10s.; and Oakbank, new, 6d. Young's Paraffin touched 10f, but have since improved to 10f. Runcorn Soap and Alkall not offered, no buyers.

In shares of miscellaneous companies business continues dull. Avonside Engine are at 47s. 6d. dis.; Droitwich Salt (pref.), 20s.; Miner's Sale, 9; Native Guano, 5; Neuchatel Asphalte, 12s. 6d. to 15s.; Phospho-Guano, 44; to 5; and Val de Travers Asphalte, 5. Prices of wagon companies shares are—Enrimingham, 154; Bristol and South Wales, 47s. 6d. perm.; Bristol, 30s. dis. Gloucester, 9%; The Nepolitan, 70s. prem.; Midland, 11½; R

THE PATENT DYNAMITE FUSE COMPANY.—Nearly everything around us has undergone rapid changes within a comparatively short time, and amongst other things blasting compounds have made rapid progress, whereby gunpowder is being superseded in a very marked progress, whereby gunpowder is being superseded in a very marked degree by dynamite and other explosives. Although sold at 2001. per ton, the amount of work done is so satifactory that even at that high price it is being more and more called into requisition by its extraordinary results. There is one thing of paramount importance in connection with blasting dynamite the want of which has caused many sudden explosions—the uncertainty of the old fuse and the clumsy method by which it is attached to the detonator, sometimes hanging fire for a considerable time, the consequences proving fatal to the workmen. No uncertain misfiring can take place by the new patent, and the fuse being metallic cannot hang fire, but must either explode or go out. The fuse being inserted in the detonator perfectly water-tight, and made ready for use in whatever lengths the miner wishes, there is no trouble or risks. Another advantags is that there is no loss of time in waiting upon misfired holes, especially where many men are employed and working close to each other, and where boring machines are also hindered, as well as quarrymen, &c., where sudden explosions would be attended with awful consequences. This patent also provides for blasting by the electric spark. We have in this patent arrangement as near as possible a perfect safety dynamite fuse, being impervious and uninflammable, uniform and certain in action, will not deteriorate in any climate nor spoil from damp while in stock, and may be submerged in water for any length of time without injury. A company has been formed to undertake the manufacture of this fuse on a large scale, and the profits are estimated at an extra high percentage. There is scarcely a concern in this country equal to the Patent Dynamite Fuse enterprise, as it only requires energy to ensure success.

FLAGSTAPP SILVER MINING COMPANY OF UTAH (Limited).—The directors of this company have issued a circular, intimating that the

directors of this company have issued a circular, intimating that the statements made by the late secretary—such as that nothing could be done to preserve or resuscitate the present company—are false and erroneous, and cautioning the shareholders to be aware of attempts to depreciate their property by unprincipled people; they believe that upon a re-hearing of the title case the company would become clearly and permanently repossessed of its property, and steps have been actually proceeded with for this purpose. Of course in the event of parties at present claiming possession relinquishing the property on equitable terms, as is fully anticipated, further delay and costs of litigation would be avoided. The Syndicate has made considerable progress, and has paid up a large sum of money in connection with the formation of a new company. The board of the present company has been strenthened by the election of three additional members largely enterested in its fortune.

BROXBURN OIL COMPANY (Limited).—The third annual report of this company states the net profit after providing for depreciation and all charges is 42,117. The dividend of 25 per cent. absorbs 37,500l., leaving 4617l. to add to reserve, which then amounts to 6482l. The amount written off revenue for maintainance is 14,972l. directors of this company have issued a circular, intimating that the statements made by the late secretary—such as that nothing could

The whole stock in trade is taken into the balance at cost prices. The works are now capable of distilling and refining into all the various products 135,000 tons of shale per annum. During last year the expenditure on new plant was 20,7814. The estimate for the current half-year is 10,000? The company makes 140 tons of solid parafin monthly, and as the number of buyers for it is small, and their requirements as to quality onerous, the directors decided to refine the greater portion, and if needs be manufacture the same into candles. This is the only article produced at the works not hitherto finished ready for consumption. It has been resolved to erect plant for the collection of gasoline. A number of bores put down during the year showed a larger unwrought field to the east of the works than had previously been anticipated, and will render the sinking of any new pit unnecessary for some time.

INDIAN QUEEN CHINA-CLAY COMPANY (Limited).—A company has been formed under this name to acquire and work the available china-clay works and property known as Gaveriga, on the estate of that name, in the parish of St. Columb, Cornwall. The works are well situated for railway carriage to the various ports of the county. The property extends to over 50 acres, and is mostly proved to contain chinaclay of first rate quality for potteries and bleaching properties. Many thousand tons could be raised from the pit now open, and it is estimated the profits will be 35 per cent. The shares are 1l. each.

IPHALL OIL COMPANY (Limited).—This company's annual reports states that the stocks have been valued at the reduced valuation, amounting to 2450l. Operations have been commenced for the execution, and the stocks have been valued at the reduced valuation, amounting to 2450l. Operations have been commenced for the

UPHALL OIL COMPANY (Limited).—This company's annual reports states that the stocks have been valued at the reduced valuation, amounting to 2450l. Operations have been commenced for the erection of 96 of Henderson's patent retorts at Uphall, which will form an addition to the producing power of company equivalent to one-third more, or a total producing capacity of 4,000,000 tons of crude oil annually. Shareholders are to be asked to increase the company's borrowing powers to 25,000l, from 30,000l, to meet the prospective capital expenditure. The company are also issuing debentures for one year at 5 per cent. interest, for two years at 5½ per cent., and for three years or upwards at 6 per cent.

On Contango-day the following were the rates of continuation current:—Contangos: 6d. on Benstar Coal; 6d.,5½d., 5d., 4d. on Canadian Copper; 2d., 1d., even, 1d. on Clyde Coal; 2d. on Don Pedro; 3d. on East Chiverton; 2½d. on Caradon; 1½d., 2d. on Caradon env. 4d., 6d. on Glandian Copper; 2d., 1d., even, 1d., 5d., 5d., 5d., 5d., 6d. on Glandian Copper; 2d., 1d., even, 1d., 5d. on Monkland Iron—Ed. on preference; 3d. on Parys Copper; 1d. on Port Nigel; 3d. on North Herodefoot; 3d. on New Zealand Kapanga; 2d. on Nocuchatel asphalte; 2d. on North Molton; 10½d. on Richmond Mine; 1s. 6d. on Roman Gravels; 6d. on South Indian Gold; 1s., 10½d. on Stock Company—9d. on new; 3s., 2s. 9d., 3s., 3s. 3d. on Tharsis; 2s., 1s. 6d. on Brosburn; 2d. on Omoa; 7½d. on Panulcillo; 7s. 6d. on Shotts; 1s. 3d. on India-Rubber; 6d. on Ferse, 6d. on Roman Gravels; 6d. states Rolling Stock; 9d. on West Caradon; 6d. on West Kitty; 3d. on Wheal Jewell; 2d. on Wicklow Copper.—Backwardations: Even, 6d. on Romas re; Brosburn Oil, 2zs. 6d. cf. Flagstaff and Panulcillo; each 10s.; India-Rubber, 8s. 9d.; Monkland fron and Coal, 8s. 6d.; Canadian Copper, 8s.; Clyde Coal, Monkland (preference), Rio Tinto(shares), and Voung's Paraffin, each 7s. 6d.; Glasgow Port Washington, 5s. 6d.; Glasgow Caradon, 4s. 6d.; Benhar, 4s.; Uphall Oil, 3s. 9d.; Glasgow Caradon,

been made at this property in clearing an old lode. The agents considered that it had only been carried on one side, and put men on to cut into the side level, where they discovered a fine lode of rich yellow ore still standing. The lode is thought to be a continuation yellow ore still standing. The of the Clitters lode eastward.

EDINBURGH.—Messrs. THOMAS MILLER and SONS, stock and share-brokers, Princes-street (May 13) write:—Within the last week Bank of Scotland has risen from 290 to 300, and National Bank from 265 to 267. The quotations of the other banks are unaltered, but the market is steady. Mining shares have been weak. Benhars have declined from 48s. to 42s., Clyde Coal from 58s. 6d. to 50s., Glaagow Caradon from 30s. to 24s., Huntington from 80s. to 65s., Marbella from 64s. to 57s. 6d., Monk-land from 57s. to 45s., and Tharsis from 30½ to 29½. Fife Coal have risen from 7 to 7½. EDINBURGH. - Messrs. THOMAS MILLER and SONS, stock and share

IRISH MINING AND MISCELLANEOUS COMPANIES' SHARE MARKET.

DUBLIN, MAY 13.—The general appearance of our markets is very encouraging, and mine shares have enjoyed their full share of improvement. In banks there has been a considerable amount of business doing, and nearly all classes of securities have been fairly active. There has been a moderate number of transactions in Mining Company of Ireland at 2½6 to 3, and Wicklow Copper have recovered to ½6, at which a fair amount of business has been done. Although there is comparatively little doing in transways, prices are decidedly better; and the same may be said of gas shares. Alliance Gas have advanced to 175/6; Arnotta have been steady at 8½/6; Gouldings at 8½/6; MeSwineys at 8; McKenzies at 13½, Rails are rather dull, but Midland Great Western have been in request at an advance, the transactions having taken place at 93. Altogether, the aspect of the market is encouraging.

CORK.—Messrs, J. H. CARROLL and SONS, stock and share brokers, South Mall (May 13), write. There has been a considerable vise. business doing, and nearly all classes of securities have been fairly

CORK.—Messrs, J. H. CARROLL and SONS, stock and share brokers, South Mall (May 12), write:—There has been a considerable rise during the past week in most stocks, especially rails. Great Southern and Western were at one time as high as 118½ to 118½, but receded to 117½. Midlands advanced to 97½, 98; and Bandon to 97. Passages remain 11½ to 11½: National Banks have rise to 65½; Provincials were done at 65 to 65½; Munsters firm at 7½, and the new shares, now fully paid, at 6½. Cork Steam Packets in demand at 12½ to 12½. Levys were done at 6½ to 6½; Gouldings unchanged at 3½ to 9; and gas shares about 7½. Gresham Hotel shares changed hands freely at 3½.

WATSON BROTHERS' MINING CIRCULAR.

WATSON BROTHERS, MINEOWNERS, STOCK AND SHARE DEALERS, &C 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

Ten years ago the weekly information which had previously been Ten years ago the weekly information which had previously been published for a great number of years in WATSON BROTHERS Mining Circular was transferred to the columns of the Mining Journal, with the following announcement; which is now reproduced in consequence of the numerous letters and enquiries handed to them of late in reply to one which appeared in the Journal on the Clementina

If any of our readers have the curiosity to turn to the pages of the Mining Journal for the month of May, 1861, they will find that on the 1st of that month we were sitting on the edge of a sawpit on the summit of Carn Camborne. Our remarks on that occasion were quoted by the Press far and wide, for they described not only a deliable of the sample of quoted by the Press far and wide, for they described not only a delightful view but a sketch of the surrounding mines which had yielded tin and copper to the value of 40,000,000l. sterling. We stated that Dolcoath had been worked for 120 years and Cook's Kitchen 100 years. The former from 10 fms. deep to the 160 was rich for copper; from the 160 to the 190 copper and tin mixed (during the transition and poor state), and from the 190 tin only. The profit on copper was 600,000l. Cook's Kitchen had returned 2,000,000l. sterling. But our object in referring to the "Corniah Notes" of that period is not to go into all these details, which are open to any one who will seek to go into all these details, which are open to any one who will seek them in the pages of the Journal, but to refer to the fact that we visited Carn Camborne Mine with the Chairman of East Caradon (Mr. Fawcett) and the manager (Capt. Seccombe), and upon an in-(Mr. Fawcett) and the manager (Capt. Secondor), and upon an inspection of Carn Camborne these gentlemen joined us in working the mine, and it was managed by them at Salisbury, until it was eventually abandoned under a heavy loss, and the company was woundup, owing, we believe, to the shareholders, as they had once done in East Caradon, getting tired out by calls, and refusing to go on. We East Caradon, getting tired out by calls, and refusing to go on. We had, and we still have, a high opinion of the sett, and believe that depth and a good outlay will eventually result in success. And what is more we should be glad to see it, though we have now no interest in the mine; but we cannot agree with some writers in the Journal of last week that the failure of the last company was owing to bad management. Capt. Secombe and those under him were not the men to "drive levels anywhere but where they were likely to find the lode." They did find the lode, and made large returns of ore, but never sufficient to pay, and it is not only possible but highly probable that in such a district greater depth and a larger outlay would have rewarded them.

East Roman Gravels is in 30,000 shares of 11. each, of which 9000

are 6 per cent. preference and 6000 are held in reserve. Without reference to these the available capital is nearly 3000l., and the mine is paying its way and looking well.

D'Eresby Mountain has sold 20 tons of lead ore at 91. 13s. per ton. This shows a great fall in the price of lead.

Clementina has also sold 10 tons of ore at 91. 13s. per ton.

In the valley cross-cut at Aberllyn the agent thinks the lode is not far off; there are good stones of lead in the joints, and branches of spar in the end. At No. 1 level a nice branch of lead has been met with.

The great fall in metals this week has made everything flat, and sellers can only do so at a sacrifice.

used to be considered that if a shareholder in a Cost-book mine It used to be considered that if a shareholder in a Cost-book mine transferred his shares to a man of straw in order to avoid his proportion of liability he could still be made to pay in case of a winding-up. Thus, when Wheal Unity Wood was wound up it appeared that 500 shares had been transferred from a responsible party to a man of straw for a nominal consideration. The liquidator, acting upon the construction he put upon the 35th section of the Stannaries Act, which provides that shares in a mining company cannot be transferred to a person without means and for a nominal consideration in order to avoid liability, placed the transferror on the list of contributories, and this was confirmed by the Vice-Warden. The transferror appealed to the Lords Justices, and the case came on for hearing a few days ago, when Lords Justices James, Baggallay, and Bramwell allowed the appeal, and thus reversed the decision of the Vice-Warden. They appear to have done so on the facts—(1) That the Company had registered the transfer, and had made calls upon and sued the transferre; and (2) by this conduct they had ratified the transfer to a man of straw.

It will be neessary after this ruling for pursers and secretaries of

It will be neessary after this ruling for pursers and secretaries of Cost-book mines to be extremely careful in taking transfers and

Cost-book mines to be extremely careful in taking transfers and ratifying them in poor and calling concerns.

We have heard it said that the mistake was made in suing the man of straw in the first instance; but how is the purser or liquidator, as the case may be, to ascertain a man's real position without proceedings?

Meetings of Bublic Companies.

NATIONAL PROVINCIAL BANK OF ENGLAND.

The annual general meeting was held at the Bank, Bishopsgate. treet, on Thursday,-Mr. RICHARD BLANEY WADE in the chair.

street, on Thursday,—Mr. RICHARD BLANEY WADE in the chair.

The following is an extract from the report of the directors:—
"There were five changes in the published rate of the Bank of England during the year, giving an average rate of 2t. 10s. 2d. as against 3t. 15s. 7d. for the year 137s. This reduction in the value of money, together with the general depression in trade, has very materially affected banking profits. The result of the year's operations enables the directors to recommend—That the dividend and bonus now to be declared be 10 per cent. for the half-year, being the usual 4 per cent. dividend, with a bonus of 6 per cent. making, with the distribution in January last, 19 per cent. for the year, leaving a balance of 21,7574, 4s. 9d. of undivided profits to be carried forward to the account for the current year."

The CHAIRMAN said: Gentlemen, when I had the pleasure of meeting you last year I thought it due not only to you but to ourselves to go into considerable detail as to the items which compose our balance-sheet, and to explain very clearly indeed the rules and

our balance-sheet, and to explain very clearly indeed the rules and principles upon which we carry on our banking business, but I do not think to-day it is necessary to repeat or go over that ground again; but I will, if you will allow me, draw your attention to the e not think to-day it is necessary to repeat or go over that ground again; but I will, if you will allow me, draw your attention to the difference in the different items in the balance-sheet to-day one, pared with the report which we presented last year. You will fail that the paid-up capital of the bank, and also the reserve fundath the amounts standing to those two items have increased by 55,232%, which, of course, represents the amount by calls, and also the premium upon the new shares, which were issued last July you will find that the deposits, which now amount to 27,796,114%, having increased by 1,865,281%, which is a satisfactory proof I think of the estimation in which the bank is held, and the credit which it enjoys will find that the deposits, which now amount to 27,796,114%, having increased by 1,865,281%, which is a satisfactory proof I think of the account we presented last year. The amount must of necessity any from time to time, but we continue to adopt the same policy of keeping these within a very moderate amount indeed. If you look at the other side of the analysis occasion. Our Government securities also above an increase of 712,408%. It is needless to point out to you the great strength of the position of the bank which these figures represent. The Indian Government and other sy you please take the banking premises next, which show am increase of 3,133, well, perhaps, to repeat that the remount really expended upon buildings it was a depreciation fund, which is invested in securities amounting to 175,345, and it is a supplementally and the security of the same and the security and the same and the security and the same and discounts which our customers said off during the year. During year of 459,460. But this, of course, does not show the total reduction by a house a reduction compared with a security of the same and discounts which our customers said off during the year. During the part of the same and discounts which our customers said off during the year. During the part of the same and difference in the different items in the balance-sheet to-day compared with the report which we presented last year. You will find that the paid-up capital of the bank, and also the reserve fund-

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The dividend was more than he expected, and on the whole a more gratifying report could not have been presented to the shareholders.

A SHARHOLDER, whilst expressing his deep satisfaction with the accounts, and with the dividend proposed, said he hoped the directors would not increase the investments of the bank in Indian securities.

Mr. Rekves said he differed from the last observation. Indian securities were never better, except for the paitry little mistake of about 4,000,000%. (Great littlers.) the investments of the bank in Indian securities.

Mr. Resvess said he differed from the last observation. Indian securities were sever better, except for the paltry little mistake of about 4,000,000. (Great hughter.)

The CHAIRMAN, after acknowledging the kind remark of Mr. Reeves, said he thilly agreed with the gentleman concerning the Limited Liability Act of last session, which enabled this bank to do everything it wanted. No doubt some of the banks had not seen their way to adopt it, but the fact remained that 23 out of 50 had adopted it, or were about to do so, and he believed the step which this bank had taken in that respect was not only good for the bank itself, but useful for the banking interest in general. As regarded Indian securities, that was a naster on which there might well be a difference of opinion, but the shareholders might rest assured of this, that the board would not hesitate to reduce the amount of Indian securities if they considered it advisable to do so. (Hear, bear.)—The resolution was put and carried. The retiring directors, the hon. Silot Thomas Yorke, R. Wigram, Esq., and Charles Barelay, Esq., were reapointed.

The CHAIRMAN said that under the Act limiting the liability of the bank, it was accessary that two auditors should be appointed. The board had carefully considered the point, and had come to the conclusion that it was desirable to have seatenen who were professional auditors. Without wishing in any way to fittenen the decision of the shareholders, the directors suggested that Mr. Liwin Waterhouse (Messrs. Price. Waterhouse and Co.) and Mr. Roderick Mackay (Messrs. Mackay and Co.) were gentlemen who from their experience and known position were well calculated to fill the position of auditors. On the motion of Mr. Austrin, seconded by Mr. Townskno, the gentlemen and thectors.

The CHAIRMAN acknowledged the compliment.
On the motion of Mr. Releyes, a hearty vote of thanks was passed to the chairman—namely, Mr. Edwin Waterhouse, and Mr. R. Isakay, were appointed auditors of

down to 40, equal to a fall of 1½; Atlantic Firsts have receded to 69, and the Seconds to 32.——Four o'Clock.—Sales of stocks continued to be pressed up to the close. A further serious fall took piace in all Turkish descriptions. In some instances accounts had to be closed at the best obtainable prices, "overs" being exhausted. Newport Abercarn, 5½ to 6; Cardiff and Swanses, 1½ to 2; Chapel House, 1½ to 1½.

drive south of cross-cut, north of shaft, to sfx men, at 75 marks per metre; the lode here is yielding good saving work for copper ore, and it is opening up stoping ground. The end is become harder for driving, and it is letting out a quantity of water; hence our progress is not so good as we could desire; looking, however, at the character of the lode generally we think a change for the better will shortly take place. To rise in the back of the 120 metre level on the hanging-wail of the lode, to two men, at 14 marks per metre; here we have a fine, promising looking lode, which is yielding some good stones of copper ore. We have put the men hitherto employed in No. 1 stope south to cut through the footwall of the lode in the winze sunk below the 120 metre level, so as not only to prove this part of the lode, but also to communicate and lengthen the stope in the back of the 140, north of rise; we have a very good lode in the north end of the stope, and, therefore, we are led to believe that the ore-bearing part is still standing in the footwall of the lode; having had a rich course of copper ore in the level above (120) we may expect equal results in cutting through the lode at this point. No. 2 stope, in back of the 120 metre level, south of shaft, to six men, at 15 marks per metre; the doe is worth 171, per fathom. No. 3 stope, in back of ditto, to six men, at 25 marks per metre; lode worth 151, per fathom. To stope the back of this level, on footwall of lode, to six men, at 25 marks per metre; lode worth 152, per fathom. To stope the back of the 100, north of shaft, to six men, at 25 marks per metre; the ground has a favourable appearance, and water is issuing freely, which is a good indication; this cod is being pushed on, so as to reach the Alexander shaft, and also to come under the course of copper ore driven through in the deep adit level north of this shaft. To stope the back of the 100, north of shaft, to six men, at 35 marks per metre; lode large, and worth 102, per fathom. We are pushing on the dress

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SPECIAL NOTICE. WEST DEVON CONSOLS.

PRICE LAST SATURDAY WAS £23 to £3;

THE PRICE TO DAY IS £33 to 5, AND WILL GO HIGHER.

These Shares, as predicted, have further

These Shares, as predicted, have further advanced. Only a few weeks ago we recommended their purchase at £2, and we are glad that many took our advice. We then stated they would advance and they are now £3½.

The Copper Lode recently cut is said by practical men to be the best seen in this district for very many years, and as it is proved beyond question to be one of the famous Lodes of Devon Great Consols (which is only separated by the Tamar) it may turn out a similarly great prize. it may turn out a similarly great prize.

Some think the Shares will now go to £50, but we are not urging a purchase of Shares on that account (although the £1 Share in Devon Great Consols went to £800 and obtained over £1200 in dividends, and therefore it is impossible to say what may happen). We say simply that the Shares are cheap; will assuredly rise; and large profits are certain to be made by those who now purchase them.

Devon Consols commenced making her wealth only 30 fathoms from surface. West Devon can soon cut FOUR Lodes at this depth; and can, besides, resume operations 80 fathoms deep when these Lodes will shortly fall in and form a junction.

With the same confidence in which we publicly recommended these Shares at £2, we now advise their purchase at £31. The fact that a large number of Shares have again changed hands this week in the Stock Exchange at the latest prices speaks for itself.

> J. SCOTT & CO. 5, Copthall Buildings, Throgmorton Street, E.C.

Business transacted in all descriptions of Stocks and Shares at current market prices.

Mining Correspondence.

BRITISH MINES.

ABERLLYN.—John Roberts, May 12: The Valley cross-cut seems to be getting near to the lode. There is a flat joint in the forebreast, which appears to be connected with the lode. There are some good stones of lead in the joints, and branches of spar in the end; let to six men, at 94. 103. for 3 fms. The cross-cut at No. 3 is now from 6 to 7 fms. from the soft lode, and I expect that we have about 4 fms. more to drive to cut the hard lode. This cross-cut is directly under the great blende lode at the No. 2 adit, and will prove the lode 16 fms. deeper than that point; let to two men for the month at 86, her fathom. The large stopes at No. 2 are very much of the same value as they have been; these are being worked by eight men, at 44, per fathom. The stope on the soft lode is rather poor, the lode being pinched small. I have removed two of these men to the Valley cross-cut, and kept the other two to follow the leader of blende, as there can be but little doubt that it will soon open again. At the No. I we have met with to-day a nice branch of lead, of which I shall be able to say more about in a day or two.

ASSHETON.—Joseph Garland, May 12: The 30, east of boundary shaft, was driven last month 1 fm. 1 ft. 10 in. The lode was 2 to 3 ft. wide, carrying a good deal of rich blende intermixed with good saving work for lead ore. In the last few feet driving old workings were met with, in which the lode had been taken away; driving has consequently been discontinued. The priving has consequently been dis

itons of lead ore.

BEDFORD UNITED.—R. Goldsworthy, May 12: There is no change to notice
n any part of the mine since my last report. Saturday next being pay and
setting day, a full report shall be forwarded next week.

BELL VEAN.—James Bray, May 8: During the past week we have passed
hrough a branch I ft. wide, composed of capel and spar, spotted with ore. It
indeclays 3 ft. in a fathom towards the Gobbins lode. I consider it a very
tindly branch.

sampling, and shall commence carting it to the rallway station in a rew day. In consequence of the continued drought, we have been obliged to draw and pump with the Robey engine. The little water we have is reserved for dressing purposes.

CARNARYON (Copper).—J. Roberts, May 12: There is nothing new to report here since I wrote on Monday. The pumping is going on constantly, and the water forking just at the same rate as last week.

CLEMENTINA.—J. Roberts, W. Sandoe, May 12: The lode in the sump at the 15 continues to lock very well, worth 15 cwts. of lead to the fathom. The rise at the 34 in both ends looks much the same as for some time past; the lode is worth from 10 to 15 cwts. of lead to the fathom.

COMBMARTIN.—T. Comer, May 13: The various points of operation in the mine have been without any change to notice since the date of our report for your general meeting held last week. The works are being pushed on with all yossible despatch. Saturday next being our monthly setting-day we will send you a full report of the mine for next week.

CORNWALL GERAT CONSOILS.—Henry Miners, May 11: I am again pleased to inform you that the prospects of the mine are still of a very promising character. The lode in the bottom level west, and in the winze sinking from the deep adit to communicate with this level, is looking well, and producing good work for the stamps. As soon as those two points are laid open for stoping, which will take about six weeks or two months more, we shall no doubt greatly increase our returns. The lode in the bottom level, east of shaft, is equally promising, and producing saving work for tin. The different stopes are still promising, and producing saving work for tin. The different stopes are still promising, and producing saving work for tin. The different stopes are still promising, and producing saving work for tin. The different stopes are still promising, and producing saving work for tin. The different stopes are still promising, and producing saving work for tin. The different stopes are s

blom.

D'ERESBY MOUNTAIN.—J. Roberts, W. Sandoe, May 12: The No. 2 stopes to much the same as they have been for some time past. The Gorse shaft we prect will be down to the 15 next week. The part of the lode that is in the act is producing good stones of lead. As soon as this shaft is down we shall mediately set to and fix the new engine, which will take us nearly a fortnight, cluding the fixing of a new bob on the shaft, which is almost ready. The lode the sump and stopes continues much of the same value, but we cannot break much stuff as we have been able to do on account of its getting more out of and for working; this will be overcome when we get a communication with the 15. The dry weather affects the dressing rather materially.

o much stuff as we have been able to do on account of its getting more out of and for working; this will be overcome when we get a communication with he 15. The dry weather affects the dressing rather materially.

DUBBY SYKE.—William Vipond, May 8: I have not much to report from the test his week. The mason has begun with building the wheel-pit; I have set him a bargain at this at 2s. per cubic yard. The men are cutting the water-race, nd getting stones to the pit.

EAST CARADON.—James Kellow, May 12: During the past month the winze has been sunk below the 150 on caunter lode 1 fm. 0 ft. 6 in.; the lode is 2 ft. title chieffy reach and quarts intermixed with mundic and occasional stones of

been sunk below the 150 on caunter lode 1 fm. 0 ft. 5 in.; the lode 1s 2 ft., chilefly peach and quartz intermixed with nundic and occasional stones of er ore; set 2 fms. stent by 12 men, at 35! per fathom. To sink the winze w the 130 east on this lode, 1 fm. stent, by four men, at 94; it measured . 3 ft. 9 in., the lode in which is 3 ft. wide, chiefly mundic, and producing a copper ore. To drive the main cross-cut south at this level, 1 fm. stent, by men, at 23l.; it was driven 5 ft. 6 in. A tribute pilch by two men, set at lot.

sa. in 12.

EAST LONGSTONE.—Thomas Phillips, May 12: The men at the south adit

extra Longstone.—Thomas Phillips, May 12: The men at the south adit

wel are still driving south, and, although they have driven about 7 ft. through

the hard ground which they had just discovered when you were here last, they

ave not yet got through it, and I am now strongly impressed with the belief

that it is a great "cab" lying upon the lode. How much further they may have

o drive to get through it it is impossible at present to ascertain. I am pushing

hen on with the driving of the end as fast as I possibly can, but the ground is

Lard, and, consequently, their progress is rather slow.

EAST ROMAN GRAVELS.—Arthur Waters, May 13: Setting Report: The south engine-shaft to sink below the 37; set to nine men on contract—12 fms for 140. The 97 to drive south of shaft, by four men, at 13. per fathom; a good sparry, orey lode, but not to value at present. The 35 to drive south, by simen, at 36, per fathom and 10s, per ton; lode very wet, and worth 2 tons of leas ore per fathom. Winze sinking below the 75 south, by nine men, at 10c, per fathom.

men, at 51. los. per ton; worth 34 ton per fathom. Pitch in bottom of the 20 south, by two men, at 51. los. per ton; worth 12 ton per fathom. Pitch in bottom of the 20 south, by two men, at 51. los. per ton; worth 14 ton per fathom. Pitch in the 6 fm. level south, by two men, at 52. los. per ton; worth 14 ton per fathom. Tributers pay all costs, including 20s. per ton for dressing. Our next sampling will take piace next week.

EAST VAN.—W. H. Williams, May 13; In the eastern pit No. 2 we have not yet seen the lode, owing to the thickness of the cap or cover overlying it. I yesterday put the men to drive a short cross-cut a few yards below, which I be lieve will take us into it. At present there are only four men there, but I shall add two more on Monday.

EAST WHEAL BULLER.—W. Tregay, May 13: The lode in the 40 is quite 12 ft. wide, of the most beautiful gossan, and we fully calculate on meeting with a good course of copper or at this depth.

EAST WHEAL CREBOR.—George Rowe, May 12: Our shaftmen are busly engaged in cutting ground around the engine and whim-shalts, taking up a considerable influx of water to make the shaft sufficiently dry to perform their work in dropping the lifts down through the water. We are now pretty near the 20 fm. level plat, where the shaft is exceedingly week, and will require some additional shourt to make the shaft in two work we are now pretty near the 20 fm. level plat, where the shaft is exceedingly week, and will require some additional shourt to make the shaft with the shaft by too the town we wear now doing with a commy and speed. The engineers have pretty nearly completed the fixing of our new links without to make the shaft and producing saving work for time which is shaft by the plate of the shaft by too the work wear one wood only with a commy and speed. The engineers have pretty nearly complete the lode in the 10 shaft, is very much improved in appearance; also getting wetter, in the beach of the shaft by tood the work wear now doing with a commy and a shaft, is very much

and there is more tode standing to the north. The lode produces stamping work, with good stones of tin. At Pregenchrie we hope to be in fork next week. FLINTSHIRE GHEAT CONSOLS.—I. Wore ook. A. E. a line fork next week. FLINTSHIRE GHEAT CONSOLS.—I. Wore ook. A. E. a line fork next week. FLINTSHIRE GHEAT CONSOLS.—I. Wore ook. A. E. a line fork next week. FLINTSHIRE GHEAT CONSOLS.—I. Wore ook. A. E. a line fork next week. FLINTSHIRE GHEAT CONSOLS.—I. Work ook. A. E. a line fork next week. The lode is mentioned by the state of the stat

There is no other change.

GREAT RETALLACK.—J. Harris, May 8: The stopes are looking rather for blende than when I last wrote you, the stope at the 57 being worth 1½ to 2 tons of blende per fathom, and the stope at the 53 worth fully per fathom. We are pushing on our dressing as fast as possible for our san

GREAT RETALLACK.—J. Harris, May 12: The lode in the stope alo m. level is looking better for blende, worth fully 2 tons per fathom tope above the 53 is without change since last reported, worth 3 tons GREEN HURTH.—W. Vipond, May 7: The Swan shaft is again in h

GHEEN HURTH.—W. Vipond, May 7: The Swan shart is again in to thard; it is making good progress. I shall let you know to-morrow unk during the week. The stope south over the 30 is hardly so good seen, but not yielding much less than last reported—about 1 ton of or stope No. 2, north of Vipond's sump, is yielding 2 tons of ore per fath tope north near Robinson's sump is yielding 2 tons of ore per fath inished the delivery of the seventh wagon of ore yesterday, and the elevan here tannersow.

leave here to-morrow.

GRIFFIN.—Chas. Kneebone, May 12: We have communicated the the 15 to the 10, and commenced stoping. I have offered the groun north and south from the rise to eight men, at 50s, per fathom; not ybut I expect to let it to-morrow, and the lode is worth! ton of lead ore each end of the rise. In the No. I stope, north of shaft, the main lode 12 cwts, of lead ore per fathom. I have put those men to strip down aground on the east side on a branch lode which goes off to the southworth 10 cwts, of lead ore per fathom; I have put those men to strip down aground on the east side on a branch lode which goes off to the southworth 10 cwts, of lead ore per fathom; let at 35s, per fathom. The No. each end of the rise. In the No. 1 stope, nor 12 cwts, of lead ore per fathom. I have put ground on the east side on a branch lode wh worth 10 cwts, of lead ore per fathom; let at north of the No. 2 shaft, is let to four men, at lead ore per fathom. I have offered two stop tribute pitch on the Pen-yr-Allt lode yields wores, and there is now a good quantity of ore We have made considerable additions to ou dressing once for the next sampling as fast as

quently!still accumulating, but we hope to have our new sampular ethne appointed.

GUNNISLAKE (Clitters).—W. Skewls, J. C. Seccombe, May 12: The the engine-shaft, sinking below the 224, is worth 12L per fathom. The least is 2½ ft. wide, producing saving work for copper ore—look promising. This lode in this level west has improved, and is worth 10 The lode in the 212 east is making larger, and looking promising for provement. The lode in the 212 west is poor for the time. The lode in back of the 212 east is worth 3C, per fathom. The lode in the 218 east six worth 7L not list level west the lode is poor. The lode in the 188 east is worth 7 and shows strong indications of still greater improvement. In driving cross-cut south for Creace's south lode we have cut more water, which I indication that we are nearing the main part of the lode. The lode east is worth 7L per fathom. The stopes and pitches are producing ty

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All about Tin (W. Tregay); the West of England Iron Ore Company; Mino Iaspector for the Western District (E. Symon); Discovery of Copper Ore in Wales (B. B. Blake); Lead Mine Enterprise in Lianarmon: Mining in the Combmartin District; South Darren Silver-Lead Mine; West Caradon Copper Mine. Short Notices of Irish Mines. Reports from Cornwall, Tyne and Wear, North and South Staffordshire, Derbyshire and Yorkshire, North Wales, Salop, and Cardigan, and the Forest of Dean. The Flagstaff Mine, Utah. The New Era of Prosperity in California. Meetings of Public Companies: Hultafall, Chontales Consolidated, Santa Barbara, Mechernic, Mona, and West Vor Mining Companies. Cwm-Pryf Mine—Special Report. Fully Paid-up Vendors' Shares—Important Decision. American Iron and Steel. Mines and Mining in Siberia. Foreign Mining and Metallurgy. Copper Ore Sales at Swansea. Clausthal Mining School Notes. Foreign Mines, &c.

The Mining Market: Brices of Metals, Ores, &c.

	MET	AL MARKET-LONDON, MAY 14, 1880.
IRON. & s.d. &		TIN. & s. d. & s. d
Pig, GMB, f.o.b., Clyde 2 6 3- 2	5 6	English, ingot, f.o.b 82 0 0- 83 0 0
", Scotch, all No. 1 2 8 6-	-	" bars " 83 0 0- 84 0 0
Bars, Welsh, f.o.b. Wales 5 12 6-	-	, refined 84 0 0- 85 0 0
, in London . 5 12 6- 5		Australian 75 15 0- 76 0 0
, Stafford., ,, 7 10 0- 8	5 0	Banca (nom.)
, in Tyne or Tees 5 50-5		Straits 75 15 0- 76 0 0
" Bwedish, London 9 0 0-10	0 0	COPPER.
Rails, Welsh, at works 5 15 0- 6	0 0	Tough cake and ingot. 61 0 0-63 0 0
Sheets, Staff., in London 9 10 0-10	0 0	Best selected 63 0 0- 65 0 0
Plates, ship, in London . 8 0 0-	-	Sheets and sheathing, 66 0 0-68 0 0
Hoops, Staff., 7 15 0- 8	5 0	Flat Bottoms 69 0 0- 71 0 0
Nail rods, Staff., in Lon. 7 10 0- 8	5 0	Wallaroo 73 0 0- 74 0 0
STEEL.		Burra, or P.C.C 70 0 0- 71 0 0
English, spring 13 10 0-19		Other brands 67 0 0
,, cast30 0 0-40	0 0	Chili bars, g.o.b 55 10 0
Swedish, keg15 0 0-	-	
, fag. ham16 0 0-	-	PROSPHOR BRONZE.
LEAD.		Alloys I., II., III., and IV £123 0 0
English, pig, common15 0 0-15	5 0	, VI. and VII 139 0 0
, L.B15 10 0-	-	., XI., Spl. bearing metal 115 0 0
,, W.B16 0 0-	-	BRASS.
,, sheet and bar15 15 0-16		Wire 7½d
pipe16 5 0-16	10 0	Tubes 9%
red18 10 0-	-	Sheets 834 -9d.
white23 0 0-25	0 0	
patent shot18 10 0-	-	Yel, met. sheath. & sheets 534 -6
Spanish14 10 0-14	12 6	TIN-PLATES.* per box.
NICKEL.		Charcoal, 1st quality 1 5 0- 1 6 0
Metal, per cwt	0 0	2nd quality 1 3 0- 1 4 0
Ore, 10 per cent. per ton.20 0 0-25 QUICKSILVER.	0 0	Coke, 1st quality 0 18 0- 1 0 0 ,, 2nd quality 0 17 0- 0 18 0
Flasks, 75lbs., war. (nom) 6 15 0-	_	Black per ton 17 10 0
SPELTER.		Canada Staff on Cla)
Bilesian19 5 0-19	10 0	at Liverpool
English, Swansea19 10 3-	-	Black Towners 450 of)
sheet zinc24 0 0-24		14 × 10
At the works, is. to is. 6d. pe	er box	less for ordinary; 10s. per ton less for

Canada; IX 6s. per box more than IO quoted above, andadó 6s. for each X. Terne-plates 2s. per box below tin-plates of similar brands.

REMARKS.—The metal markets opened this week in a very depressed condition, buyers being particularly scarce, whereas sellers manifested great determination to press sales; the consequence was considerably reduced prices only could be obtained. On Wednesday, however, a more healthy tone pervaded our markets, and sellers becoming alive to the needless sacrifices they were submitting to, and many buyers also finding that at ruling quotations there could be little or no risk in effecting purchases, came forward and showed a good deal of disposition to make contracts. This was the means of creating firmness in the quotations for most metals, and in some instances slightly higher prices were paid than could be realised on the previous day, and since which prices have fluctuated more or less, with a very fair amount of business being transacted. There has at present been insufficient time to say positively whether the turning point of the retrograde movement has taken place, but that the future must sooner or later see a very marked change for the better becomes daily more and more apparent, as the prospects, on the whole, cannot be considered otherwise than of an encouraging nature. There will not now, however, be much more business being the farms and the star than the farms and the second until after the Whitshumida holidays. But on the recogning of the transacted until after the Whitshumida holidays. But on the recogning of the transacted until after the Whitshumida holidays. But on the recogning of the transacted until after the Whitshumida holidays. But on the recogning of the presented until after the Whitshumida holidays. But on the recogning of the transacted until after the Whitshumida holidays. But on the recogning of the transacted until after the Whitshumida holidays. apparent, as the prospects, on the whole, cannot be considered otherwise than of an encouraging nature. There will not now, however, be much more business transacted until after the Whitsuntide holidays, but on the reopening of the markets sufficient time will probably have been allowed for them to regain their equilibrium, and they will then doubtless assume a very different aspect from what they have done for several weeks past. It is stated by some that as we are now approaching the summer quarter, a season which in an ordinary way is less brisk for business than the other quarters of the year, and that on account of the trade having gone so far without showing any recovery we shall have to wait until the autumn before any particular improvement takes place; but as the trade has lately been subject to great irregularities, it is quite possible that the order of things may be reversed, and in proportion to the falling off in the demand, the ensuing summer may fully make up for the deficiencies of the present quarter, and in that case there would naturally be considerable activity, which would doubtless lead to the realisation of higher prices. Considering the favourable news which was received from the various foreign markets in the favourable news which was received from the various foreign markets in the favourable news which was received from the various foreign markets in the favourable news which was received from the various foreign markets in the favourable news which was received on the reports are reliable it follows that most likely large shipping orders are being kapt in abeyance, and will be put in hand as soon as ever stability is restored to our markets.

COPPER.—On Monday and Tuesday this market was in a most sensitive and depressed condition, and holders pressed sales to an enormous extent, which resulted in reducing quotations for Chili bars to 551., or a reduction of 21 per ton upon the closing price of

lack Priday, but on Wednesday more tone was given to the markets, and as buyers appeared less aby to effect purchases, prices were advised a sounderfell and most of business and transacted, and the market closes bedly at his figure. The present position of this market as regards price in which a considerable amount of business and transacted, and the market closes bedly at his figure. The present position of this market as regards price in proceed the depression in trade was more seriously feel than on any previous occar, and even when it did terminate there were many people who declined to believe in the gendle work and of the price of the depression of the control of the price of the control of the price of t

lower rates than were quoted last Friday, business in fine foreign having been done on Monday at 781. to 761. cash. On Tuesday a further fall took place in quotations, 751. having been accepted. On Wednesday there was more tone perceptible upon the market, and 751. 10s. was paid, and yesterday 761. 10s. cash and 71. to 717. 10s. forward was realised, but to-day prices have been again reduced to 751. 15s. A rise in prices just now appears fully justifiable, for according to the last statistics the visible stock has been greatly reduced owing to a limited supply and good deliveries, and recent advices from America show that there is now more inquiry on that continent for tin-plates, and if the demand continues to increase for tin-plates it necessarily follows that the consumption of tin must be augmented, and prices would, doubtless, be proportionately advanced.

LEAD.—This market remains almost neglected, and prices continue to weaken, and as both the consumptive and shipping demand is re-

to weaken, and as both the consumptive and shipping demand is re-ported to keep limited there appears but little prospect of any ma-terial recovery taking place for some time to come.

SPELTER.—Inquiries are scarce, and prices, although showing but little change from last week, are decidedly easier, and must be reckoned entirely nominal, as the business which is being transacted in this metal, for both Silesian and English, is extremely limited.

gards price or demand, the shipwents which are being made being chiefly in completion of old orders.

TIN-PLATES.—There is a slight improvement reported in the American demand, and as a few buyers appear mere inclined to effect purchases, prices in some instances have shown symptoms of strengthening.

QUICKSILVER has been very steady throughout the week at 61. 15g

Messrs. PixLey and Abell—Gold: There have been no transactions at the Bank since our last circular of the 6th inst. The demand for the Continent has revived enough to clear the market of all bars that were offering, and a few orders are still open. The only arrivals are 2000. from the Brazis and \$260. from the West Indies. The P. and 0. steamer takes \$950!, to Malta and India.—SHLYRE: The market has been very steady during the week, and the variations in price have been small, beginning at \$2\frac{1}{2}d. The supplies offering at the close of last week were soldat this quotation, and to-day transactions have taken place at \$22\frac{1}{2}d. The arrivals have been—\$31,580. from the Brazils; 3000. from New York; 23,520!, from the West Indies=58,100!. The P. and 0. steams 106,400!, to Bombay, and 40,000!, was sent from Venice to India on the 7th last.

The MINING SHARE MARKET has been affected this week by two

New York; 23,220. from the West Indies=53,100. The P. and O. steamer takes 106,4001. to Bombay, and 40,0001. was sent from Venice to India on the 7th inst.

The Mining Share Market has been affected this week by two or three depressing circumstances, and has been particularly dull and inactive. There has been the settlement of a heavy fortnightly account, and a serious fall in metals, and coming together the markets have been more than usually influenced by them. It always happens on settling days that differences have to be adjusted, and sales effected at almost any sagrifice, and when they are forced for sale at a time people are frightened at the aspect of the metal market, the natural consequence is that it is difficult to sell at all; quotations are put down, and become in a great measure merely nominal.

Tin.—As we suspected last week the smelters put down the standard for ore on Monday 52. per ton, and there was a general fall in the prices of shares; many, in fact, have become almost unsaleable. But such is the fickle nature of the speculation now going on in the tin market that there is no telling how soon another change may take place for the better. Carn Brea have fallen to 80, 85; Dolcoath, 55 to 57; Cook's Kitchen, 9 to 9½; Blue Hills, 4 to 4½; East Pool, 33 to 35; East Lovell, 2 to 2½; Polrose, 2 to 2½; South Condurrow, 11 to 12; South Frances, 17 to 18; West Peevor, 7 to 7½; Wheal Agar, 6½ to 7; Wheal Basset, 4 to 4½; Wheal Kitty, 5 to 5½; West Peevor, 28 to 29; Wheal Uny, 4½ to 5; West Kitty, 1½ to 2; West Phenix, 2½ to 2½; Wheal Grenville, 9½ to 10; Wheal Jewell, ½ to 1. COPPER declined early in the week to about 55c., a fall of something like 192. per ton from the highest point reached and 71. on the month. This affected the share markets, and shares suddenly became lower all round, and less marketable. The last day or two, however, copper has somewhat recovered in price. Devon Great Consols are quoted 12½ to 13½; Wheal Crebor, 3½ to 4½; Bedford United, ½ to ½; East Caradon, 2½ to 5½; Frince o

LEAD is particularly dull, and there is scarcely anything doing in lead shares, the prices of which are nearly all nominal. Van shares, 18 to 19; the cross-cut towards the north lode is making satisfactory progress, and the ground improving. Roman Gravels 10 to 10½; the mine has sampled 200 tons of lead ore this week. No change in the mine. Tankerville, 4½ to 5; Great Laxey, 18 to 19. South Darren, 3½ to 3½; they have began to sink the shaft below the 110 in a lode worth 30\ldot. per fathom. Other points of the mine looking the same. Pandora, 17s. 6d. to 22s. 6d. The shaft is down about 7 fms. below the 33, and the lode in the bottom contains a strong mixture of blende and stones of ore. East Roman Gravels, 15s. to 17s. 6d.; the sinking below the 97 is begun. The 86 is worth 2 tons, and the winze below the 75 3 tons per fathom. Glenroy, 17s. 6d. to 22s. 6d.; the lode in the 108 north is large, and shows lead and blende.

Caron, 1½ to 2; Crosswood, 1 to 1½; Frongoch, 4½ to 5; Grogwinian, 2½ to 3½; Harlington, 1 to 1½; Mawston, 1 to 1½; Red Rock, 1½ to 2; West Wye Valley, 1 to 2; New Wye Valley, 1½ to 1½; Ystwith, 1½ to 1½ Gwern-y-Mynydd, 5 to 5½. Very excellent progress is being made in the various operations at this mine, and the prospects are most cheering. West Holway, 28s. 6d. to 32s. 6d. The lode in the 80 east is reported worth 2 tons of lead per fathom. Derwent, 2½ to 3; Aberllyn, 1 to 1½; East Craven Moor, 8 to 9; East Van, 3½ to 4; Gorsedd, 2 to 2½; Herodsfoot, 3½ to 4; Leadhills, 2½ to 3; Ladywell, ½ to ½; Minera, 11 to 12; North D'Eresby, ½ to 1½; Eonant, 3 to 3½; Pen-y-Orsedd, 1 to 1½; West Chiverton, ¾ to 1½; Eonand, 3½ to 4; Grosedd, 2 to 2½; Chontales, 3s. to 4s.; the advices just received show a profit of 70\ldot. for the month of March. Javali shows a loss of 151\ldot. Placerville, 2½ to 2½; the frost having broken up, shipments of ore have been commenced, and it is expected will be continued through the season. Canada Copper, 2½ to 2½; Consolidated, 17s. 6d. to 20s.; Copiapo, 9 to 9½; Don Pedro

The Market for Mine Shares on the Stock Exchange has been very dull throughout the week, and the few transactions that have taken place have been at slightly lower rates, although the difference is not material. This position is fully accounted for by the weakness of the tin and copper ore markets. The drop in the tin standards was 1l. more than was anticipated—5l. per ton—and was announced on Monday; whilst the decline in the copper ore standard at Swansea on Tuesday—8l. 2s. for 9 per cent. produce—was probably the most serious fall comparing two succeeding sales that has been announced during the last 20 years, being equivalent to nearly 1d. per 1b. in the price of metallic copper. The only consolation is that prices are still high enough to enable the majority of mines to cover cost, and confident hopes are entertained that there will be a speedy revival. speedy revival.

The committee of the Stock Exchange are certainly affording every justification for adverse opinions through their inability or neglect to remove the names of the Flagstaff and some other virtually defunct concerns from their Official List. That body must be turn for the better. The Welsh markets are still reported somewhat depressed, but some manufacturers have become slightly firmer in their quotations. There is still a tolerably good demand for rails, and price treatment of the price of serap-iron. Large treatment of the price of serap-iron and the price of merchant bars is firmly held, while pigs are treadiler, but a market falling off is reported in the price of serap-iron. Large treatment of the price of serap-iron. Large treatment of the price of serap-iron and the price of serap-iron. Large treatment of the price of serap-iron and serap-iron

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the Mining Journal in December), formed with a capital of 100,000.

In shares of 11. each, are inviting subscriptions for the second issue of 60,000 shares, at 5s. per share premium, such premium to form a reserve fund. The prospectus, which will be found in another column, states that the company have secured the very valuable freehold estates of Lackadie and Madutella, in the Wynaad district of Southern mula, the very heart of the gold-bearing region, comprising an area of about finds, the very heart of the gold-bearing region, comprising an area of about the company. The company's superintendent reports:—"Main reef on the company. The company's superintendent reports:—"Main reef of the quarts from Madutella property assayed upwards of 10 dwts. of gold to the other of 300 working days yielded 10 dwts. of gold per ton, at the selling price of 31.15s. per of amounts to per annum 84,376f., from which must be deducted cost of overland of the value of these estates reference is made to Mr. R. Brough Smyth's report. He states that the position approximately of 90 outcrops of quartz veins, and west of Choladi, intersecting a line about 14 miles in length, there are said to say, over an area of more than 500 square miles. It is remarked that the yyter referred to is in the immediate vicinity of the Gold Company's estate of the John the west near Yyter, and on the east as far as Bolingbroke—that is to say, over an area of more than 500 square miles. It is remarked that the yyter referred to is in the immediate vicinity of the Gold Company's estate of lackadie and Madutella. The prospects of the enterprise are considered to be lackadie and Madutella. The prospects of the enterprise are considered to be lackadie and Madutella and Madutella of the company and containing 149 tons 5 cwts. of fine copper, were sold for yording and west of Choladi being and the appearance are considered to be lackadie and Madutella. The prospectus of the company are prospectus and the prospectus of the company and producing the prospectus of

The South Devon United Copper Mines are reported to be now in full operation, and the underground bargains are laying open in the four lowest levels a rich and lasting mine. The first sampling, of about 170 tons, took place on Monday, for sale on Thursday next at

full operation, and the underground bargains are laying open in the four lowest levels a rich and lasting mine. The first sampling, of about 170 tons, took place on Monday, for sale on Thursday next at Thuro.

Missouri Lead, 10 to 11; the manager, Capt. Champion, reports (April 22)—"St. Clair Mine is opening up very satisfactorily indeed. I think we can raise on a low estimate 100 tons of ore per month at this point. In fact, every leading part yet discovered and put into working order looks beyonds my expectations. The stope above the 156 fi. level continues to yield 2 tons of ore per fathom. At the 245 ft. level we are preparing to drive the level and also to stope the lode above the level. The stopes will yield about 1½ ton of lead ore per fathom. The lode in the bottom of the mine at present is 14 in. wide, composed of red clay and solid stones of galena, and will yield about 1½ ton on lead one per fathom of pure ore. We have cut the lode, which will doubtless improve rapidly as we leave the disordered ground and approach the richer portions of the lode. Work will be continued at the Valley shaft as soon as an arrangement can be made for so doing. Work is being pressed on at Badi Hill, where the lode is most promising for making rich deposits of ore. We shall hill, where the lode is most promising for making rich deposits of ore. The work done in the past few days in the 8t. Clair, Mine as still further demonstrated the great strength of the ore deposits. After we have still further demonstrated the great strength of the ore deposits. After we have still further demonstrated the great strength of the ore deposits. After we have still further demonstrated the great strength of the ore deposits, and are assing ore regularly."

Richmond, 16½ to 16½; the usual telegram from the mines at Eureka, Nevala, states that the week's run was 865,000 from 900 tons of mines are mising ore regularly."

Richmond, 16½ to 16½; the usual telegram from the mines at Eureka, Nevala, states that the week's run was 865,000, mon 900

is and carrying forward the 20,000. The shortslightedness of "Nemo's "augusetian is so obvious that it is much to be hoped it will receive no support whatever from shareholders, who would assuredly have much subsequent cause for regret. Let all support the directors, and avoid killing the goose for the golden eggs.

Ruby, 9½ to 9½; the telegram received by the company shows that the ore smelted for the week was 210 tons, against 65 tons last week. In 1210 tons are estimated to represent a net money value to the company of about 1000%, and as the monthly (not the weekly) costs are under 1000%, it appears that a handsome monthly profit is now being made, and this is regarded as an extraordinary circumstance, having regard to the fact that the discovery on which they are now working was only made about two months ago. Information has been received that on one of the company's mines—the El Dorado—at a depth of 150 ft. a body of ore (worth from 250 to 300 per ton) has been cut. This mine is reported to have been let on tribute to Mr. Rellly, and he has yet 12 months of his time to run. The company receives ne-fith. The mines generally are considered to be opening up well.

Flagstaff shares are still marked in the Olficial List as having been dealt in—to-day at 1½ and 1.7-16, and the closing quotations are marked 1 to 1½. There can be no doubt in the mind of anyone acquainted with share-dealing that these transactions are effected with a view to bolster the marked, and outside shareholders—that is, shareholders who purchased shares with a view to receive dividends—cannot be to strongly cautioned against connecting themselves in any way with any scheme for resuscitating the concern. The company has no property or assets in America nor any locas standi in the American courts, the final decision of the Federal Supreme Court having the concern. The company because in the hope of drawing in the old shareholders they propose to give privileges which, if created at all, cannot legally be given.

Colorado United, 2½ to 2½; t

for 24334. 18s. 6d., details of which are given in the account of the Ticketing. A parcel of upwards of 150 tons is at Swansea for sale next Ticketing, and a further shipment is preparing, and will leave the mine probably in the course of a few days.

Hultafall, 2 to 2½; the second annual meeting was held on Tuesday, when an interesting account of the mines was given and a satisfactory statement extension.

factory statement made as to their future prospects.

In Hydraulic or Gold Washing Companies shares business has been restricted. Advices received during the week give accounts of one of the most violent snowstorms experienced on the Pacific Coast for or the most violent snowstorms experienced on the racine Coast for a long time past. A considerable amount of damage has been done, and outdoor work is completely stopped in some parts. It will no doubt prolong the water season, but the immediate inconvenience is great. Placerville, 2% to 2%; the mine is reported to be looking well. The ore crushed at the company's mill in April was 700 tons, realising \$7300, which is considered a very satisfactory result.

In Lead Mine shares there has been no particular change, but the favourable fealing with regard to the future of lead continues. The

favourable feeling with regard to the future of lead continues. The great fear in this country has arisen from the anticipation that the

TRAMWAYS —The closing prices of this evening, as quoted by Mr. W. Abbott, of Tokenhouse-yard, are given in tabular form in the last page of the Journal.

W. Abrott, of Tokenhouse-yard, are given in tabular form in the last page of the Journal.

GAS SHARES—The principal business in these shares, according to this evening's report of Mr. W. L. Webb, of the Stock Exchange and Finchlane, has been in British, 34%; Bombay, 6½; Continental Union, 20; Commercial, 189; European, 19; new, 19½ to 19½; ditto, 13½; Gaslight, A, 178½ to 179½; 4 per cent. debentures, 100¾; Imperial Continental, 186½ to 189; Monte Video, 15½ to 16½; Para, 6½; Rio de Janiero, 26½ to 27½; South Metropolitan, A, 181 to 182; B, 182 to 183. Gas stocks dull. For closing prices see list on last page of Journal.

INSURANCE SHARES have, according to this evening's report of Mr. W. L. Webb, of the Stock Exchange and Finch-lane, been dealt in as follows:—Alliance British and Foreign, 32% to 33; ditto Marine, 28 to 28½; Commercial Union, 19½; Marine, 85; Indemnity, 100½ to 101; Lion Fire, 2½ to 3½6; Merchants, 1½ to 1½; London, 64 to 64½; Railway Passenger, 8; North British and Mercantile, 52½; Phenix, 801 ex div.; Rock Life, 8½ to 8½; Royal Insurance, 25½ to 25½; Universal, 12½ to 125. Alliance shares firm, others rather offered. For closing prices see list on last page of Journal.

The applications for the new Rio Tinto 5 per cent. bonds amount to over five and a half millions in cash and in 7 per cent. bonds sent in for conversion. The depositors of the 7 per cent. bonds are entitled to allotments to the extent of their full equivalent value, and therefore the cash applicants will only receive a moderate proportion of their subscriptions.

West Holway.—A splendid discovery has been made at this mine at the 80 east, and shares are in demand.

NEW LLANFAIR.—Under this title a company has been formed to work a valuable mining sett on the same lodes as the great Llanfair mining property, which has paid enormous profits to its proprietors. The company is registered under the Limited Liability Acts in shares of 11. each. From its geological position it is considered there can be little doubt of its proving a great success.

GOMBANY—The half-yearly meeting

GOTHENBURG TRAMWAYS COMPANY.—The half-yearly meeting was held at the company's offices in London yesterday, when it was stated that the net earnings for the six winter months were sufficient to admit of a dividend at the rate of 8 per cent. per annum, free of income-tax, which was duly declared, leaving a balance of 329l. 4s. 7d. to be carried forward.

NORTH D'ERESBY MOUNTAIN.—The report received from the new manager shows that the mine is being pushed on with vigour. The prospects are very satisfactory and encouraging. The meeting is to be held in the mine on the 24th inst., when shareholders will have an opportunity of inspecting the property.

ROYAL SCHOOL OF MINES.—Mr. W. Chandler Roberts, F.R.S., Chemist of the Mint, has been appointed to the Lectureship of Metallurgy in the Royal School of Mines, rendered vacant by the resignation of Dr. Percy, F.R.S. Mr. Roberts will continue to hold his appointment at the Mint. Mr. Richard Smith, hitherto assistant-metallurgist, has been appointed instructor in assaying.—Nature.

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Mr. Budge to state that in a short time the mine will be making profits.

HORACE #. TAYLOR, STOCK AND SHARE DEALER,
38, GREAT ST. HELEN'S, LONDON, E.C.
(Late of the PORT PHILLIP AND VICTORIA MINING COMPANIES.)
Mr. TAYLOR has DEALINGS in the undermentioned:
50 Almada & Tirito.
100 Devon Great Consols.
100 Port Phillip.
100 Bedford United.
100 Eberhardt & Aurora.
100 Colorado.
100 Colorado.
100 Colorado.
100 Don Pedro.
100 Prince of Wales.
100 Perstarena.
100 Prince of Wales.
100 Perstarena.
100 Victoria (London).
100 Perstarena.
101 Prince of Wales.
102 Perstarena.
103 VICTORIA (London).—These shares should be bought for investment at 10s., as another dividend must shortly be declared.
WHEAL COATES UNITED.—Buyers of these shares should secure them at once, for any advance in Tin would undoubtedly put the shares better. Price 25s.

BANKERS: CENTRAL BANK OF LONDON (Limited).

BANKERS: CENTRAL BANK OF LONDON (Limited).

M. R. W. MARLBOROUGH, STOCK AND SHARE DEALER, 29, BISHOPSGATE STREET, LONDON, E.C.,

Can SELL, the following SHARES at prices annexed:
50 Almada, 13s.
20 Clorado, £2 10s.
30 Consolidated, 18s. 9d.
10 Chontales, 3s. 3d.
20 Colorado, £2 10s.
30 Consolidated, 18s. 9d.
10 Hornachos, £7½.
20 Derwent, £2¾.
10 Devon Consols, £13½.
20 Derwent, £2¾.
21 New Quebrada, £4.
20 New Quebrada, £4.
21 Seast Caradon, £2 176
25 East Caradon, £2 176
25 East Crebor, 22s.
26 Derhardt, £4 5s.
27 East Caradon, £2 176
28 Derhardt, £4 5s.
29 Prince of Wales, 16s.
20 Pertarena, 6s.
20 Pertarena, 6s.
21 Prince of Wales, 16s.
25 West Kitty, £1 16s 6d.
26 West Kitty, £1 16s 6d.
27 West Crebor, £3%.
28 West Kitty, £1 16s 6d.
29 West Kitty, £1 16s 6d.
20 West Kitty, £1 16s 6d

MR. JOHN RISLEY, STOCK AND SHARE BROKER, 38, CORNHILL, LONDON E.C. ESTABLISHED 1858. BANKERS: LONDON AND WESTMINSTER, Lothbury.

to £40 per ton raising it was suspended, and operations confined to sinking the shaft.

The machinery on the mine consists of a steam pumping-engine, with two bollers, capable, we are informed, of taking the mine to the 150. A 24-inch stamping-engine, two bollers, and 60 heads of stamps, horizontal winding-engine complete, dressing-floors, calciner, tin-house, powder-house, dry and store-house, &c., which, with the work done, has cost nearly £30,000. The company has a cash balance in hand of nearly £3000 over every liability. The grand point of the mine, irrespective of the Margaret lode and the working of the tin ground, is the intersection of the Polrose lode in depth, and it appears to us there are few tin speculations like it. It is the opinion of all those who have seen the mine, surrounded as it is by some of the relatest tin mines in Cornwall, that great deposits of tin will be found in depth, and a good lode in the shaft might send shares to double their present price.

West Caradion was started and owned chiefly by Quakers in 1837, and upon a small outlay had paid up to 1851 £104,276 in dividends. The present company have within the last month made three very important discoveries. This celebrated old mine within a very short period will, in all probability, command its former market value—£120,000.

SHARES WILL BE ALLOTTED STRICTLY IN THE ORDER IN WHICH THE APPLICATIONS ARE RECEIVED

THE GOLD COMPANY OF SOUTHERN

INDIA (LIMITED). CAPITAL £100,000.

Subscriptions will be received for the SECOND ISSUE of 60,000 Shares of £1 each, part of the registered capital, at a premium of 5s. per share.

The premium on this issue of shares will be specially carried to the Reserve Fund for the benefit of Shareholders.

CHAIRMAN OF THE BOARD OF DIRECTORS. Captain FORTESCUE, J.P.

BANKERS.

The CAPITAL AND COUNTIES BANK (Limited), Head Office,
Threadneedle-street, London, and at the various Branches. SECRETARY-MR. JOSEPH WYKES.

Since the first allotment of shares the directors have the pleasure to announce that the company have secured the very valuable free-hold estates of "Lackadie" and "Madutelia," in the Wynaad district of Southern India, the very heart of the gold-bearing region, comprising an area of about 900 acres, for a sum of £40,000, payable £20,000 in cash and £20,000 in shares at the option of the company.

£20,000 in cash and £20,000 in shares at the option of the company. As an instance of the daily increasing demand for gold properties in Southern India, the directors need only inform the shareholders that since securing these estates a much larger price has been offered for them, which, taken with the restrictions placed upon the grant of the leases by the Government, and the limitation to 30 acres, renders the acquisition of these properties most advantageous.

Too much importance cannot be attached to the circumstance that

the property the company has acquired is freehold, and without re-strictions.

strictions.

About 250 acres is under cultivation as a Coffee Plantation, and in the sale to the company is included the growing crops, buildings, stock, &c. The estates possess a plentiful supply of labour, water, and timber, and are easily accessible to the Imperial and district reads and water expresses. roads, and water carriage

roads, and water carriage.

At the earliest opportunity the directors purpose erecting sufficient machinery to crush 150 tons of quartz per day, which it is estimated will give the following result:—

150 tons of quartz crushed per day for 300 working days, yielding 10 dwts. of gold per ton at the selling price of

£3 15s. per oz., amounts to, per annum £84,375 0 0

Deduct cost of crushing 45,000 tons, at 12s. 6d. p. ton 28,125 0 0

Other expenses—say, 5s. per ton 11,250 0 0

£39,375 0 45,000 0 Thus leaving a net profit per annum of 45,000 0 0 0 (Equal to a dividend of over 40 per cent. on the entire capital of the

Corroborative evidence of the value of these estates may be had in

corroborative evidence of the value of these estates may be had in the prospectus containing extracts from the recent report of Mr. Brough Smyth.

The directors, in conclusion, have much pleasure and satisfaction in submitting the investment to the public, and that in order to avoid disappointment to applicants for shares, they will allot the shares strictly in accordance with the order in which they are received.

Applications will be received by the Bankers or Secretary of the company as follows:—

company as follows:

company as follows:—

5s. 0d. per share on application.

7s. 6d. ,, on allotment.

12s. 6d. ,, 15th June.

Prospectuses, Forms of Application, Government Notices, and Map, will be forwarded on application to the Secretary, at the offices, 15, Finsbury-place South, London, E.C.

CWM BRWYNO LEAD MINING COMPANY (LIMITED).

37, WALBROOK (Nos. 107 AND 108). SECRETARY-P. HARRIS HARE.

TWO HUNDRED DEBENTURE BONDS of £10 each at par, interest of 10 per cent, per annum, payable half-yearly on the 1st May and 31st October.

THESE BONDS ARE NOW OFFERED TO THE PUBLIC, being the balance of the issue of £5000 not taken up by the Shareholders. They are secured by the lease, plant, machinery, and mineral, with the mine and all effects, on which over £25,000 has been spent. The mine is in full work, and it is estimated to produce 50 tons of lead per month as soon as the necessary alterations and additions to the machinery are completed. The motive power being entirely water lead can be brought to bank and dressed at much less cost than if steam were employed. The mine is fully developed down to 107½ fathoms, and in some of the levels lead ore is being broken yielding 4 to 6 tons to the fathom. yielding 4 to 6 tons to the fathom.

Applications for these Bonds may be made to the National Provincial Bank of England and its Branches, or to the Secretary at the Office, 37, Walbrook.

THE FLORENCE SILVER-LEAD AND BLENDE COMPANY

(LIMITED). OFFICES-37, WALBROOK, E.C.

The Directors of this Company have now completed their test operations (which have lasted over several months), and satisfied themselves of the existence of silver-lead, blende, and copper in very large quantities, easily accessible from several points in the property. They have also made arrangements with the vendor for

BLENDE ORE.

57% per cent. of pure Zinc, and 8% ozs.

SO per cent. of Lead, and 43 ozs. of Silver.

The sett is situated in the Parish of St. Ive and in the midst of the celebrated lead mining district of Liskeard, Cornwall.

The lease is for 21 years, at a rental of £20 per annum for the first year, increasing £10 per annum until £50 is reached, when there is no further increase, and this rent merges into a royalty of 1-18th.

The sett is 11 mile long by about 1 mile wide, and is traversed by

several well-known lodes.

There are two shafts already sunk about 50 fathoms, and an adit level driven in on the course of the lodes, from which ore can be

There is ample water at all seasons for dressing purposes, for

which there is no extra rent.

There are good reads into Liskeard, which is only some three miles distant, affording oney facilities for transit to and from the mine.

— WM. MAGEE; London, May 11.

Received,—"C. H. D." (New York)—"E. B." (Philadelphia)—"J. F. P." (Hayle)
"W. M.".—"M. M." (Southsea)—"J. B." (Barnstaple)—"Shareholder" (Mushroom Mines)—"J. T. D."—"Agent," on Hydraulic Engines: Next week—
"E. L." (Barrrow)—"L. M."—"F. C."—"Shareholder" (Cornwall Great Consols) had better write to the Secretary—The letter of "Old Reader" (Boulogne) on Mining Then and Now, shall be published next week—"J. B. J." (Leeds)—
"J. M."—"C. F. S."—"G. K. N." (Wolverhampton).

THE MINING JOURNAL,

Bailway and Commercial Gazette.

LONDON, MAY 15, 1880.

NEW MOTIVE POWER ENGINES FOR MINES, &c.

Considerable progress of late has been made in the construction of engines the motive power of which is gas, and Mr. F. Hurd has recently introduced one which gives every promise of being extensively adopted for many purposes for which gas power has not hitherto been thought of. The Hurd patent compound condensing and non-condensing selfstarting and reversing silent gas engine is an invention for which the patentee claims some most important and special advantages over those now in use. The patent engines can be advantageously placed in mines and worked by explosive gases collected in mines or otherwise. With and worked by explosive gases collected in mines or otherwise. With regard to explosive gases they are diluted in proportion to the necessary power required at each stroke of the piston when in full motion. The air passes by special receiver through injectors by an intermittent action and a pressure or centrifugal governor, thus making it impossible for a dangerous quantity of gas to be admitted. When the engines are employed in coal mines, for which they are particularly well adapted, the igniting agent is enclosed in an apparatus specially constructed according to the Davy lamp principle, so as to prevent external explosions from the ordinary fire-damp or other gases. The engines can be made to 50-horse power and upwards, condensing or non-condensing, single or double-acting, worked by gases capable of being exploded, expanded, or condensed, with or without the addition of gun-cotton, there being improved apparatus for reversing, starting, and transmitting the power to the machinery to be driven. The engines have also a special link-motion with two fixed eccentrics only, and are capable of being reversed by a hand lever or by self-acting apparatus, and are connected and disconnected from the machinery to be driven by means of friction-locking gear, whereby an engine up to 50-horse power can be started by one perfrom the machinery to be driven by means of friction-locking gear, whereby an engine up to 50-horse power can be started by one person with the greatest ease, thus overcoming one of the difficulties hitherto unavoidable in the starting of gas or gun-cotton engines. By means of patent locking friction gear separate shafting can be driven at both sides of the engine. When ordinary coal gas is used the consumption varies from a farthing to a halfpenny per indicated horse power per hour, and is regulated by HURD's patent injector pressure governor. One person is capable of managing an engine, which can be worked at from 20 to 300 revolutions per minute, the power being given off at each stroke. The use of water, which is converted into a lubricant, and into steam for motive power for low-pressure cylinders at 80 lbs. per square inch, keeps the cylinders and converted into a lubricant, and into steam for motive power for lowpressure cylinders at 80 lbs. per square inch, keeps the cylinders and
piston valves clean and well lubricated, rendering it unnecessary to
frequently take the engine to pieces to remove carbon and deposits
of burnt oil and gas, thus rendering stoppages unnecessary. All
parts of the engine are made to templets, interchangeable, and no
foundations are required for those of small power. There is also
marked solidity about the engines, each double-throw main crank
being forged from best scrap iron, and finished complete, with eccentrics for valve gear, from one solid forging. For localities some distance from a coal field the machine can be worked by gasoline produced by small gas making machines.

By Mr. Hurd's invention great economy is claimed in the consumption of gas for a given amount of horse-power, to the extent,
indeed, of one-third less than is required by other gas-engines, so
that gas, air, and water are utilised and converted into good motive-

that gas, air, and water are utilised and converted into good motive-power at a very small cost. The spent power, it may also be said, from the high-pressure cylinder works the second cylinder, and finally a vacuum is produced which also actuates the second cylinder. The adoption of gas-engines, especially where only a small amount of power is required, is now rapidly extending, seeing that there is no delay or expense caused in lighting fires and the other necessaries required in raising steam for ordinary engines, and there is no reason why those of large calibre should not be found equally economical and advantageous to proprietors of machinery. Gas, too, gives a much higher heat than is obtained by the combustion of coal. The heat companying condensing engine uses about 2 light of coal, an ordinary much higher heat than is obtained by the combustion of coal. The best compound condensing engine uses about 2 lbs. of coal, an ordinary condensing engine 5 lbs., and ordinary small high-pressure engines from 4 to 10 or 12 lbs. per hour, whilst a considerable quantity of coal is required in getting up steam in the mornings as well as at intervals during the day. The economical results as regards engines using coal convert into work a comparatively small quantity of the total heat of combustion. A high-pressure engine using 2 lbs. of coal converts about 8 per cent. of the total heat of combustion; an engine using 4 lbs. of coal, about 40 per cent.; one using 6 lbs., 2-6 per cent.; one using 8 lbs. of fuel, 2-0 per cent.; and where the engine uses 10 lbs. of fuel only about 1-6 per cent. of the total combustion of heat. With gas the amount of heat obtained from a given quantity is much greater, according to our highest authorities. In Mr. Hurn's engines those not condensing the consumption of gas is 15 cubic feet per hour, and in the condensing ones the gas consumed is 10 cubic. engines those not condensing the consumption of gas is 15 cubic feet per hour, and in the condensing ones the gas consumed is 10 cubic feet, with 12 gallons of water. Of course, there is considerable variation in the quality of gas; and, as might be expected, it has been found that the higher the illuminating power the greater the heating power; but the heating power does not increase in the same ratio as does the illuminating. Taking ordinary gas coal, Mr. HURD'S non-condensing engine should develope by the combustion of gas $(15 \times 700) = 10,500x$, and the condensing $(10 \times 700) = 7000x$. Were all the heat of combustion of one cubic foot of gas converted into work 1-horse power would only require 3.66 cubic feet per hour. The percentage of heat of combustion converted into work in the gas-engine that was non-condensing would be 24.4 per cent and in gas-engine that was non-condensing would be 24'4 per cent., and in the condensing engine 36'6 per cent, there being thus a marked difference between the percentage of the heat of combustion obtained

from coal and that from ordinary gas.

Taking the percentage given above that the condensing engine of Mr. Hurd turns into useful effect from 4 to 23 times as much heat as the steam-engines we have alluded to as consuming certain quantities of coal per high pressure, the results show the value of the gas-engines patented by Mr. Hurd, and the marked economy that is effected by the use of gas as compared with coal, and if, as has been suggested, that in all probability a special quality of gas will ultimately be produced for a motive power at a lower cost than that paid at present, then will the value of such engines be still further enhanced. Gasenques are of antite recent date and already they enhanced. Gas-engines are of quite recent date, and already they have been largely produced, and the demand for them is rapidly increasing, whilst it has been found that they can be adopted for many purposes for which steam would not be applicable. There is no doubt

The Capital of the Company is £30,000, in 6,000 shares of £5 each, payable 20s. on application, 20s. on allotment, and 20s. every three months until fully paid, with liberty to pay up in full at a discount of 5 per cent. per annum.

Applications for Shares to be made to the Secretary at the Offices, or to the Devon and Cornwall Bank, Liskeard, Cornwall.

**Much inconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be filed on receipt; it then forms an accumulating useful work of reference.

**Annimony.—Could any reader oblige by procuring for me the following information: The quantity of antimony ore and the quantity of antim users of power either on a large or small scale.

OUR RAILWAY IRON ABROAD.

OUR RAILWAY IRON ABROAD.

The data now available with respect to the external consumption of our railway iron during the first four months of this year present very considerable interest. It appears that the exports of this description of iron in April were 68,809 tons, as compared with 33,025 tons in April, 1879, and 46,387 tons in April, 1878. The United States figured in the list for April this year for 21,067 tons, while the corresponding shipments in the same direction in April, 1879, were just nothing at all. In the four months ending April 30 this year we sent the United States 61,434 tons of railway iron, while the corresponding shipments in the same direction in the corresponding period of 1879 did not exceed 1184 tons; and in the corresponding period of 1878, 134 tons. The United States have once more taken the first place among our external clients for rails and accessories, British place among our external clients for rails and accessories, British India ranking second this year with 53,882 tons; while at a very respectful distance Australia comes third with 21,531 tons. The shipments of railway iron from Great British to British colonies in the first four months of this year will be seen to compare satisfactorily with the corresponding shipments in the corresponding periods of 1879 and 1878:—

2,920 12,527
 British Africa
 5,112

 British India
 44,236

 Australasia
 29,594
 1,909 27,698 21,531

ments of railway iron from our shores in the first four months of this year are not by any means discouraging; but the serious question arises whether equally progressive results will be disclosed for the whole of 1880. The aspect of the American iron trade is far less lively now than it was in January or February, almost every mail having brought tidings of lower prices and an irregular and diminished demand at Philadelphia and New York, and other important commercial centres. As three-fourths of the increase which has taken place this year in our railway iron shipments is due to the augmented demand on American account, a check in the American consumption of our rails would soon exert a sharp influence upon the official statistics. Moreover, it must be borne in mind that the shipments of British railway iron to the American Republic began to revive in the autumn of 1879, so that in the closing months of this year a comparison of our Transatlantic rail exports may present a falling off after all. The return to lower prices which has been gradually taking place during the last three months is calculated, however, to give stability to the demand; even if ground is lost in the United States it may be regained in other directions. Anyhow, a good start has undoubtedly been made this year with our railway iron to the spear with our railway iron the this year with our railway iron the plant of the plant of the plant of the plant of the prices which has been gradually taking place during the last three months is calculated, however, to give stability to the demand; even if ground is lost in the United States it may be regained in other directions. Anyhow, a good start has undoubtedly been made this year with our railway iron to the plant of the plant the United States it may be regained in other directions. Anyhow, a good start has undoubtedly been made this year with our railway iron shipments. The exports for the first four months of this year amounted altogether to 198,220 tons, or at the rate of nearly 50,000 tons per month, or 600,000 tons per annum. In the corresponding period of 1879 the corresponding exports scarcely averaged 40,000 tons per month, or something under 480,000 tons per annum.

An increase of 25 per cent, in the exports has, accordingly, been established thus far this year, and we can but regard this as a most cheering fact.

most cheering fact.

THE MINING INDUSTRIES OF WARWICKSHIRE.

As a manufacturing county Warwickshire stands second to none in the kingdom, for it is a veritable hive of industry, having Birmingham for its centre, and which has been aptly termed "The Toy Shop of the World," its toys, however, being mostly of the heavy and utilitarian character, and such as are in use daily in every part of the world. But it also contains valuable beds of minerals that have not been so extensively worked in proportion to their extent, as those in most other parts of the country. The chief minerals are coal, ironstone, limestone, freestone, blue flagatone, much of which is used for paving and flooring, and a peculiar kind of blue clay, having some of the properties of soap. There are also valuable springs of chalybeate mineral waters, which are well known both at home and abroad. The Warwickshire coal-field, however, enjoys the enviable position of being the nearest to the Metropolis of any, yet, singular to say, such a great advantage has not been of any benefit to its colliery owners, and a mere trifle of what is raised at the mines finds its way to London. The proprietors of coal mines in the most distant parts of the kingdom have always looked upon the London market as about the best, and have done all they could to cultivate the trade there. But such has evidently not been the case with the proprietors of the coal mines in Warwickshire, who apparently have looked more to local requirements and the markets nearest to them. The coal measures extend as far as the ancient city of Coventry, and on the other side as far as Tamworth, in some places being intersected by faults that bring up the new red sandstone. Between Coventry and Warwick there is an area of about 90 square miles at a depth of from 2000 ft. The prolongation of the coal segme under the triss has As a manufacturing county Warwickshire stands second to none in there is an area of about 90 square miles at a depth of from 2000 ft. to 2500 ft. The prolongation of the coal seams under the trias has been proved as far west as Wyken Colliery, in the Coventry district, but it has not been ascertained how much further they extend in the same line, but according to Prof. RAMSAY the probabilities are that at some distance in the same direction the seams will be found to terminate against the same bank of Silurian rocks which forms the

terminate against the same bank of Silurian rocks which forms the southern limit of the measures of South Staffordshire.

In the upper coal measures there are five workable seams, being separated at the northern end by about 120 ft. of shale and sandstone, which all decrease in going southwards, and at Wyken they combine to form a bed 20 ft. thick, being a change parallel to that in South Staffordshire as regarded the Thick coal. Under the Permean rocks there is said to be an equal quantity of coal at the depth of less than 2500 ft., and about four times as much under 4000 ft. and the probability is that the seams are regular and nearly horizontal, so that one of our leading geologists states that he cannot but regard as of peculiar value this vast reservoir of fuel lying at the borders of the South-Eastern counties, and actually closer than any other coal-bearing district to the Metropolis. There is, therefore, a great future before the Warwickshire district, owing to the comparagreat future before the Warwickshire district, owing to the comparatively small quantity of coal raised in past years, more especially as regards the metropolitan market, which seems to have been almost ignored by the mine owners. Yet one would have thought that, being less than 100 miles from London, and with the good railway accommodation there is, the low carriage rate, and with miners wages so much lower than those paid in the Midland and more northern districts, that the colliery owners of Warwickshire would great future before the Warwickshire district, owing to the comp wages so much lower than those paid in the Midland and more northern districts, that the colliery owners of Warwickshire would have been able to send as much coal as they could raise to London alone. But such has not been the case, so that the Metropolitan market, so far as inland coal is concerned, is principally supplied from Derbyshire and Yorkshire, where the carriage rate and wages are very much higher. According to the returns for the last month we find to about 15 tons, the of the ole Bedwort to the far found in amongs! amongsi must ha tion to t spread I where it 4000 ft. 775,000 quantity began to tons, in and in field be crop of

to the not exc of coal of less in War coal, ed with 18 mation blast f of raw argilla is raise 57,222 at har ore of as in a raised 13,000 to be Metro the pi

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In the course of a few days the first sod of the long-wished-for nilway is expected to be turned, and then the birth of commercial prosperity may be said to have commenced, and the wealth which is known by practical and scientific men to exist in this unique and perfect coal basin will then unfold its treasures to the coffers of the world. In wandering though a valley at the outskirts of this coal field the red hydrate iron ore of the Froghall district was clearly traced to its outcrop, and even the refuse heaps of cinders (relics of the ancient iron-producing industries) were discovered, showing unmistakably that the high quality of the hydrate stone was appreciated in ages most remote, when the only means available for reducing the ore to merchantable iron was on the open hearth, and it was only pure and easily reducable stone that would yield to this rude method—hence the reason our forefathers were compelled to select the ore they could work. But it is this very feature which even now in our enlightened days makes this class of stone so valuable and highly prized by ironmasters. A mixture of this with some intractable ores renders the latter easily reducable, and by bringing down the charge in the furnace in less time not only adds considerably to the yield, but also from its great purity increases the value of the iron, and so acts in two ways to increase the profits of the manufacturer.

Crossing over to the other side of the basin, a distance of from

crossing over to the other side of the basin, a distance of from 5 to 6 miles in a straight line, it was found that each seam of coal in its turn shows itself to daylight, as regularly laid one on the other as the folds of a book, until the bottom measures of the carboniferous series, and resting immediately on the millstone grit, the red hydrate ironstone was seen as persistent as any of the other measures. Now, what is there to prevent this valuable iron band from lying under the whole of the Cheadle Field? Nothing whatever; and assuredly it is there as certain as the coal, and at no distant date will be sunk to by an enterprising firm, and, as has been the case in the Churnet valley, colossal fortunes will be made.

LARGE SALE OF SHARES .- The unprecedented premium of 800 per cent, per share has just been realised at the Auction Mart on the sale of a number of shares in the Sun Insurance Company. The property comprised 50 shares in the fire insurance department, and

obly to the yield, but also from its great purity increases the value of the iron, and so acts in two ways to increase the profits of the manufacturer.

Orasing over a straight line, it was found that each seam of roal in its turn shows itself to daylight, as regularly laid one on the other sate holds of a book, until the bottom measures of the carboniderous series, and resting immediately on the milistone grit, the red hydrate isomotone was seen as persistent as any of the other measures. Now, the whole of the Cheadle Field? Nothing whatever; and assured it is there as certain as the coal, and at no distant date will be sufficient of the conduct of Michael Harle, the certificated manager of the substant of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the conduct of Michael Harle, the certificated manager of the month of the conduct of Michael Harle, the certificated manager of the month of the manufacture of the Michael Harle, the certificated manager of the manufacture of the manufacture of the Michael Harle, the certificated manager of the manufacture of the manufacture of the Michael Harle, the conduct of Michael Harle, the certificated manager of the manufacture of the Michael Harle, the certificated manager of the manufacture of the Michael Harle, the cer

THE CHEADLE DISTRICT.

CHINA-CLAY-ITS NATURE, PRODUCTION, AND USES

CHINA-CLAY—ITS NATURE, PRODUCTION, AND USES

Comparatively little is known to the general public concerning the production and application of china-clay, although it occupies an important position as a raw material in one of the largest manufactories of the country. This want of knowledge is no doubt attributable to some extent to the absence of a handy little book giving a complete outline of the whole matter, but such a work is new placed within the reach by the issue (through Messrs. John Steen and Co., of Wolverhampton) of "A Treatise, Technical and Practical, on the Nature, Production, and Uses of China-Clay," with several useful tables and statistics and other information bearing on the subject, by DAVID COCK, M.E., of St. Austell. By way of introduction there is an excellent chapter on geology, giving as complete an exposition of the science as could reasonably be expected in 25 pages, and there is then a chapter on raising the clay and making it marketable. Study is facilitated by separating the several portions of the subject and treating of prospecting, trial pits, testing clay, opening a new works, the shaft drift and rise, water supply, clay stopes, pumping clay, drawing the sand, mica, settling pits, tanks, and the dry respectively. Mr. Cock, who is favourably known to a large number of readers of the Mining Journal as an engineer of considerable experience, states that his object has been to place before his readers matters of public utility with such a useful ensemble of general facts and statistics as will give them intelligent information on the subject, and in this he has certainly succeeded.

The chapter on the uses of china-clay in the arts is a particularly interesting one, and it will no doubt suiprise a large number of readers to learn to how many purposes it is applied. Take for example the use of china-clay in the manufacture of paper. Mr. Cock points out that it has the property of rendering paper smooth and opaque, as well as serving other purposes no less important to the manufacture

THE SHORT HEATH COLLIERY EXPLOSION.

lighted candle. He was constrained to find that Michael Harle had not taken all the care, or made use of all the knowledge he must have been possessed of, for if destitute of this knowledge he must have found Harle guilty of incompetence under the statute. He was unable to find that he had been guilty of such incompetency or gross negligence, although he found that there had been such an amount of negligence as could not be passed over. The Court felt bound to order Harle to pay all the costs of the enquiry, such sum to be taxed.

of negligence as could not be passed over. The Court felt bound to order Harle to pay all the costs of the enquiry, such sum to be taxed by the proper officers of the Court if the parties could not agree to the amount, and to be paid within seven days after the amount had been agreed upon. He was pleased that he had not been able to find Harle guilty of incompetency or of such gross negligence as to unfit him for his duty. He did not think it necessary to withhold or to suspend the certificate of the certificated manager, and he therefore had reach pleasure in harding it over to Mr. Lawis. He intimated

missioner for the able and efficient way in which he had conducted the enquiry. Mr. Motteram briefly acknowledged the compliment, expressing his satisfaction at the way in which the case had been carried out by the parties concerned, and acknowledged the great assistance he had received from the mines inspector for the district.

SULPHURIC ACID AND ALKALI.

The importance of the alkali trade for supplying products essentia to the very existence of some of our greatest industries was pointed of Prof. LUNGS's valuable transic on Subpluric acid and Alkali; and from the outline then given no doubt could remain that the work, when complete, would be one of the most practical and reliable in the language. The second volume fally justifies the opinion. It comprises the series of operations of an alkali works in which the phate of soda, and ending with the utilisation of soda waste; and the author takes the opportunity of announcing that in the third and concluding volume (already in the press) the manufacture of soda by the author takes the opportunity of announcing that in the third and concluding volume (already in the press) the manufacture of soda by the author takes he opportunity of announcing that in the third and concluding volume (already in the press) the manufacture of soda by the author takes have a some concluding volume (already in the press) the manufacture of soda by the author takes the conclusion of the cost of plant for every port of an alkali works. A very copious appendix will, be asys, contain numerous additions to the first two volumes, partly from patents, official reports, &c., published, and partly from patent communications made to the author by competent persons since the volumes were printed.

It is formed to be a some partly from patents, official reports, &c., published, and partly from patent communications made to the author by competent persons since the volumes were printed.

It is formed to the south of the patents of the p

ing the manufacture of soda by the Lebianc process, raw materials, black ash furnaces, the theory of the soda process according to Lebianc, black ash and tank liquor, boiling down the tank liquor and calcining,

purification of the ash, treatment of tank waste, and various other

purineation of the ash, treatment of tank waste, and various other matters, the value of the information being much enhanced by the care which has been taken to give details of cost, objections and recommendations, and the drawings to scale. That the work will become recognised as a text-book of the subject cannot be doubted, and a more exhaustive and reliable one need scarcely be desired; it is admirably written by a sciencist of practical experience of the subject than the proposed by the treats and it is originate that no expense has been supported.

upon which he treats, and it is evident that no expense has been spared

we find that all the coal sent from Warwickshire to London was only about 1500 tons, of which the Exhall Colliery was credited with 480 tons, the Griff 400 tons, and Hawkwood 460 tons. Still the field is one of the oldest we have in the inland district, for coal was worked at gedworth as early as 1600, and is alluded to by CAMDEN in his Britannia," who states the mode in which the coal was worked, and to the fact that the miners assured him that large toads had been found in the solid coal, a belief at one time being pretty general amongst miners that live toads had been found in coal, where they must have been embedded for many thousands of years. In addition to the measures now being worked there are large districts overspread by formations belonging to the Permian and Triassic systems, where in all probability coal will be found at depths from 3000 ft. to 4000 ft. In 1866 the quantity of coal raised in Warwickshire was 715,000 tons, in 1869 it had fallen off to 585,630 tons, and in 1870 the quantity was 647,540 tons. After the latter year the production began to increase considerably, so that in 1874 the output was 851,500 tons, in 1876 it had advanced to 884,750 tons, in 1877 to 930,850 tons, and in 1878 to 1,025,450 tons from 34 collieries. The area of coal field between the boundary of the Permian formation and the outcrop of the 7-ft. coal is 30 square miles, and the net available tonnage for future use, according to the report of the late Mr. Woodhouse to the Royal Commission, would be about 453,000,000 tons at depths not exceeding 4000 ft. But in the summary of the probable amount of coal under Permian and other underlying formations at depths not exceeding 4000 ft., with the usual deductions, it is calculated that in Warwickshire, under the Permian, there are 79 square miles, with 150,000,000 tons, and north of Atherstone, under the same formation, 6 square miles, with 179,000,000 tons, and north of atherstone, under the same formation, 6 square miles, with 179,000,000 tons, and north of the very larg perform a band, and HURD, it

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an equal number in the life department, forming a part of the personal estate of the late Mr. Pole. The fire insurance shares were the first offered in 20 lots of three and two shares each, the particulars stating that the dividend payable upon each share was 10l. per annum, in addition to a special dividend, the two dividends together averaging nearly 22l.per share per annum. The amount of each share in the books of the company did not transpire; but the auctioneer, Mr. Eilpatt, in introducing the property stated that the reserved price.

per share was 4371. Before inviting biddings he said that the company, which dated from the year 1710, was about the oldest in the kingdom, and as a proof of the enormous extent of its transactions are shared as a proof of the enormous extent of its transactions.

*** 'A Theoretical and Practical Treatise on the Manufacture of Sulphuric Acid and Alkali, with the Collateral Branches." By Grosse Luxos, Ph.D., F.C.S., Professor of Technical Chemistry at the Federal Polytechnic School, Zurich that he should send the report to the Home Secretary on Monday.

***A Theoretical and Practical Treatise on the Manufacture of Sulphuric Acid and Alkali, with the Collateral Branches." By Grosse Luxos, Ph.D., F.C.S., Professor of Technical Chemistry at the Federal Polytechnic School, Zurich the kingdom, and as a proof of the enormous extent of its transactions.

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in the printing of and preparation of the engravings for the book in order that it may be acceptable wherever the alkali trade is carried on.

Few subjects demand more extensive reading and investigation than history, and when the task undertaken is to trace the history of some particular matter the difficulty, assuming, of course, that accuracy and a readable narrative are aimed at, is rather increased than otherwise. In tracing the history of the precious metals this observation especially applies, but Mr. Alexander Del Mar* appears to have thoroughly surmounted every obstacle, and furnished a volume which is replete with information and highly interesting. Almost the only thoroughly surmounted every obstacle, and transferd a volume when is replete with information and highly interesting. Almost the only work of the kind is Jacob's History of the Precious Metals, published half a century ago, and which, as Mr. Del Mar remarks, is antiquated and defective, since it fails to mark the significant agency of conquest and slavery in the production of gold and silver; it is vitiated throughout by unsafe calculations of the world's stock of these metals in ancient and mediaeval times; it affords no information of the very considerable, movement from Japan to Europe during the systeenth in ancient and mediaeval times; it affords no information of the very considerable movement from Japan to Europe during the sixteenth and seventeenth centuries; it scarcely mentions, and thus underrates the importance of, the Brazilian placers, which have yielded to the world nearly 200,000,000l. sterling; it contains no connected history—indeed, but little mention of the ratio of value between gold and silver; and it omits all reference to the devastation of the earth and the social mischiefs entailed upon mining countries by the search for these metals. As a member of the United States Monetary Commission, however, Mr. Del Mar was able to collect much valuable information, which, although not suitable for his official reports, are especially valuable to be preserved.

mation, which, although not suitable for his official reports, are especially valuable to be preserved.

Among the observations made were some which are very surprising.

Mr. Del Mar noted that the production of the precious metals on a commercial basis only began with the era of free mining in 1849; that the purchasing power of the precious metals is only affected by the existence of the stock which has accumulated from past times, and which, however obtained by its original owners, was acquired by its present ones through conquest or slavery, and hence cost them pecuniarily little or nothing; that even with free mining, and apart from the value of the stock, the cost of producing gold or silver from the mines is not, as is generally supposed, limited by their commercial value or purchasing power, and that in the long run and in all countries it has been unprofitable, and that gold and silver whenever obtained by free labour have always cost more than they are worth; that gold and silver mining, particularly the former, injure the surface of a country by the great demands which they make upon its supplies of timber, by diverting its mountain streams into mischievous courses, by strewing its arable lands with stones and gravels, and by filling its rivers and choking its harbours with sediment; that in consequence of the physical devastation thus wrought upon mining countries they have invariably fallen into political decay; and that the probable exhaustion of all the great gold placers of the world, and the number and possible prolific yield of its silver mines, will through the operation of quantity, and apart from other considerations, tend to widen the ratio of value between these metals, and thus to render gold always dearer and silver chapter.

As Mr. Del Mar's volume is divided into forty chapters and ex-

thus to render gold always dearer and silver cheaper.

As Mr. Del Mar's volume is divided into forty chapters and extends to nearly 400 pages it is impracticable to discuss and refute the opinions which appear to be open to question, but it may be remarked that he seems to suffer severely from metallophobia, especially of the aurargentic form, whilst his style indicates the existence of some slight hepatic derangement, and suggests that the volume would have been still more attractive had the writing of it succeeded a certile covered for weddent teatment in the above of blue willstand. have been still more attractive had the writing of it succeeded a gentle course of medical treatment in the shape of blue pills and black draughts. It must not, however, be supposed that the author has treated his subject unfairly, nor that the almost innumerable facts given are perverted; but the entire tone is that of an unfortunate silver miner who has struggled on for years in barren ground with such a property as the Richmond just beyond his boundary. He states that beginning in a remote antiquity, and connected with peoples who perished long before any existing annals were written, he has traced the history of the precious metals down to our very doors. The mind is, therefore, obliged to range over an immense vista if it would deduce from this history the lesson it teaches; and he then begins to run amooh, but in a manner that will ensure every line of his narrative being read. Effodiuntur opes irramenta malorum has been engraven on his heart, and its impress has flowed with his life's blood not only to his fingers ends but through his pen, and rum has been engraven on his heart, and its impress has flowed with his life's blood not only to his fingers ends but through his pen, and hence he has come to the conclusion that prominent among the lessons taught is the one that the desire for the precious metals has furnished in all ages an irresistible motive for the commission of cruelty, injustice, and aggression. It was one of the causes, in many instances the principal one, that led to the most desolating episodes of history: the Persian invasions, the sanguinary progress of Alexander, the Punic wars, many of the devastating raids of Marius, Sylla, Pompey, Paulus, Æmilius, and Julius Cæsar, and some of the civil contentions of Rome. In the Middle Ages it stimulated, if it did not indeed originate, that internecine strife in which all Europe was plunged for originate, that internecine strife in which all Europe was plunged for centuries, and which terminated only when it could direct its search for the coveted metals to the shores of a newly-found continent. It was the sole cause for those murderous expeditions of the Spanish American conquerors which ended in the effacement of aboriginal American civilisation, and the slaughter, or slower and more cruel extermination, of some 30,000,000 of innocent people.

The disposition of the precious metals has, he remarks, had scarcely less to do with the welfare of mankind than their acquisition. Their employment of money and the various circumstances connected with this employment, which formerly were matters of merely national concern, have now assumed wider relations, and belong to the affairs of all mankind. Mr. Del Mar thinks that the effects of a common money is to produce uniformity of prices, and that this between money is to produce uniformity of prices, and that this between Europe and Asia means a tendency to lower them in the West and raise them in the East. These tendencies must necessarily, to some extent, promote Asiatic progress at the expense of European; and nothing but the substantially feudal condition of India, China, and Japan, which does not enable those countries to enforce the general employment of gold and silver money within their dominions, prevents this promotion of Asiatic progress from becoming so rapid as to sensibly injure the Western world. The use of a common money between the various nations of the Occident, in Mr. Del Mar's opinion, promotes, in a similar manner, the social advancement of the most backward, and the social retardation of the most forward. It tends to emancipate the European labourer from the shackles with which backward, and the social retardation of the most forward. It tends to emancipate the European labourer from the shackles with which ages of oppression have loaded him, whilst at the same time it tends to transfer those shackles to the American. By way of example he mentions that the price of wheat, and, therefore, the relation of wheat and of the cultivator's labour to all other commodities or services in republican America is regulated by the price of wheat, in quasi-feudal England or in wholly feudal Russia, and these relations are fixed in England and Russia by influences that may be traced back to distant ages. In a word the use of a common money tends to equalise prices and wages, and, therefore, social relations and political conditions.

By a similar process the mainter ce of the same n from one age to another tends, he thinks, to equalise the social relations of the two ages, and if a reason be sought for the fact that from the fall of Rome to the opening of America—a period of nearly 12 centuries—the population and social condition of Europe exhibited less progress or change of any kind than has been witnessed in the short period that has since elapsed it will, he considers, be found in the fact that during all this time the various countries of Europe employed substantially but one kind of money. Leaving the mediæval Italian republics out of view, the money of one age during this epoch was the money of all others, and it followed that the social relatious of one became substantially that of all. This social condition or level has risen, but the relations of its parts have remained unaltered. The agriculturist still stands at the bottom of the social ladder, the a common money of the world, they have become a common lan-

HISTORY OF THE PRECIOUS METALS.

guage and a universal law, which while assisting progress—it is refreshing to find one point upon which the author has an opinion in common with persons who have studied history and political economy—has compelled it to operate alike throughout the world, and to equally benefit the barbarian and the civilised.

The economical principles which he deduces from his history are that owing to the great influence of the accumulated stock on hand of the precious metals, and the fact that a large portion of this was obtained by conquest or slavery, and, therefore, at the time it entered into the exchanges it cost little or nothing, free mining has always been and for a long time yet will remain on the average an unprofitable industry, and that gold and silver cost more than they are worth; that the supply of gold and silver is not like that of other and particularly manufactured commodities subject to the control of man, but is dependent on the vast stock on hand of these metals, and upon the unforeseeable issue of mining discoveries and explorations from time unforeseeable issue of mining discoveries and explorations from time to time, and that, therefore, gold and silver are not subject in the same unconditioned manner as are other commodities to the general

same unconditioned manner as are other commodities to the general law of supply and demand; and that the value of gold and silver is not determined by the cost of their production, but by the quantity in existence, or rather the total quantity of these metals and their substitutes (paper promises and symbols, and paper and metallic numeraries) employed as money.

The work is one that is well worth reading, and it is difficult to know whether to praise the author more as a political economist, as a writer, or as a man of business, as his views in each position are so entirely free from contamination by those previously entertained that it is not easy to find anyone to compare him to; but his volume is admirably printed on excellent paper, and will form an ornament in any library in which it is placed.

Original Correspondence.

GRAND TRUNK RAILWAY OF CANADA.

SIR,—In connection with the decline in Grand Trunk securities during the past few days, amongst other false rumours it has been freely stated that I am a persistent seller on behalf of my clients. I beg you to allow me to contradict the report, as it is totally untrue; and so far from there being any justification for it, I have been steadily buying all the stocks on every decline, my opinion of the future of the company being as favourable as ever.

Tokenhouse-yard, May 14. —— WILLIAM ABBOTT.

RICHMOND CONSOLIDATED MINING COMPANY. SIR,—Another word to shareholders. I said last week, Don't part SIR,—Another word to shareholders. I said last week, Don't part with your shares. My reason for thus advising is now apparent. The year's operations have resulted in a net profit of 134,511l.! As nearly as possible 50 per cent. on the total capital of the company! Three dividends have been paid of 7s. 6d. per share each, and the undivided balance, 91,856l., is to be dealt with thus—44,416l. carried to reserve fund, bringing up that account to 50,000l., and an additional dividend of 10s. per share is to be paid forthwith, leaving 20,000l. to be carried forward. Those of your readers who have followed my foreshadowings for months past have been fully prepared for the official utterance: "That the mine never looked better than it does at present: nor have there at any time before been such pared for the official utterance: "That the mine never looked better than it does at present; nor have there at any time before been such large bodies of ore opened up." The directors may well "congratulate the shareholders on the present highly satisfactory condition of the mine, as well as on the brilliant prospects of the future," Am I right in reiterating my statement that these shares, as a solid investment, to say nothing of their additional speculative value, are cheap at 201.? Our success is yet only dawning.

May 14.

ONE BEHIND THE SCENES.

[For remainder of Original Correspondence see to-day's Supplement.]

LIABILITY OF COST-BOOK SHAREHOLDERS AFTER TRANSFER In the Court of Appeal an important decision has been given in the case of the winding-up of the Wheal Unity Wood Mining Company. It was an appeal from the decision of the Vice-Warden of the Stannaries Court. The appellant, Mr. John Chynoweth, seeks to have reversed the decision of the Vice-Warden, who has placed his name reversed the decision of the vice-warden, who has placed his name on the list of contributories of the above company. Mr. Chynoweth was formerly the holder of 500 shares, which he sold to a corporal in the Marines for 51. Evidence was adduced to show that this sum was the worth of the shares, but the liquidator contended that the transfer was made to avoid liability and was not valid. In delivering the judgment of the Court Lord Justice James (Lords Justices Baggallay and Bramwell concurring) said that the question involved in the average was a very investor. in the appeal was a very important one. The question arose upon the construction of sec. 35 of the Stannaries Act, which provided that shares in a mining company could not be transferred to a person that shares in a mining company could not be transferred to a person without means, and for a nominal consideration, in order to avoid liability. But in the present case they had to consider what the conduct of the company had been after the transfer to Mr. Allen before Mr. Chynoweth was placed upon the list of contributories of the company. They had registered the transfer of the shares, and had sued the holder of the shares for calls, and had actually obtained a judgment against him, which was still in force. The company had by this conduct ratified the transfer from Mr. Chynoweth to Mr. Allen and therefore the appeal would be allowed. Allen, and, therefore, the appeal would be allowed

CAPT. FRANCIS KENT.—We regret to announce the death, at Mary Tavy, near Tavistock, on May 1, 1880, of Capt. Francis Kent, aged 76 years. Capt. Kent was for upwards of 40 years a much respected agent at Wheal Friendship, under Messrs. John Taylor and Sons. He was also for many years the agent of Mr. John Francis Buller, the lord of the manor in Mary Tavy, and was held in great esteem by all who knew him, especially by the poor, to whom he was a great friend.

CAPTAIN JONN BARKELL .- We have to record the death of Capt John Barkell, of the Rushen Lead Mines, Isle of Man, after an illness of a few hours only, on the morning of Thursday, May 6. Not only was Capt. Barkell a frequent contributor to our Journal on various subjects connected with mining, but he was the author of a valuable paper in "Ure's Dictionary of Arts, Manufactures, and Mine valuable paper in In his profession he stood deservedly high, being well Surveying Surveying. In his procession he scool deservedly high, being well and practically acquainted with the science and art of mining in all its various branches. His knowledge of dressing machinery was considerable, while no man did more than he to develope the system of working our mines by means of the rock-drill, nor has anyone achieved in this direction more satisfactory results. He was truthful, modest, and upright, keenly and conscientiously alive to the performance of his duties, and implicitly trusted by employers and friends. At the early age of 35 he has been called away to join the company of just men made perfect.

IRON AND STEEL .- An improved means for facilitating the elimination of phosphorus, sulphur, and other impurities from crude iron or ore has been invented by Mr. P. Adle, of Pall Mall. For this purpose he blows through the fused material a blast of air, this air being made to carry with it, as in the sand blast or similar processes finely pulverised lime or other substances suitable for elimination of impurities.

PREVENTING OXIDATION OF METALS.—The improved somposition for coating metals invented by Mr. Adolph Becker, of Hamburg, consists in the application of solid hydrocarbons in combination with liquid hydrocarbons, aeteric, or fat oils. Amongst the solid hydrocarbons, preferably indiarubber, paraffin, and ozokerit are used, whilst amongst the liquid hydrocarbons and oils, rectified petroleum, ligroine, and turpentine-oil are preferably applied for the manufac-ture of the composition. A good compound is produced by melting 1 part of paraffin under moderate heat, about 150° Fahr., in a closed vessel, and by then adding and mixing from 2 to 4 parts of rectified petroleum, ligroine, or turpentine-oil with the melted paraffin. According to the greater or lesser quantity of liquid which is added, as above, the consistency of the composition varies, the which latter is of pasty consistency, variable, as stated, and can be applied to the surface of the metals by means of a stiff brush.

FORTY-SEVENTH ANNUAL REPORT OF THE TATIONAL PROVINCIAL BANK OF ENGLAND,

Subscribed capital £3,675,000. n 20,000 Shares of £50 each, £21 paid 105,625 ditto £20 each, £12 paid 28,125 ditto £20 each, £ 2 paid. date)..... (Received to this 55,332 £1,742,732

The Most Honourable the MARQUESS OF AILESBURY.

JOHN STEWART, Esq.

HOLLARD BLANEY WADE, Esq.

ROBERT WIGRAM, Esq.

HON. ELIOT THOMAS YORKE.

HON. ELIOT THOMAS YORKE.

JOHN STEWART, Esq.

BOBERT WIGRAM, Esq.

HON. ELIOT THOMAS YORKE.

JOHN STEWART, Esq.

JOHN S

RICHARD BLANEY WADE, Esq., in the chair.

REPORT.

The directors are glad to meet the shareholders again, and to submit to them as usual a statement of the bank's affairs.

There were five changes in the published rate of the Bank of England during the year, giving an average rate of £2 10s. 2d. as against £3 15s. 7d. for the year 1878. This reduction in the value of money, together with the general pression in trade, has very materially affected banking profits. The result of the year's operations enables the directors to recommend—

That the dividend and bonus now to be declared be 10 per cent, for the half-year, being the usual 4 per cent, dividend, with a bonus of 6 per cent, making, with the distribution in January last, 19 per cent for the year, leaving a balance of £21,757 4s. 3d. of undivided profits to be carried forward to the account of the current year.

#21,737 98, 50, or undivided probability of the operations for the year, submitted in the unrent year.

The following is the summary of the operations for the year, submitted in the form hitherto in use:—

Rest or undivided profits at 31st December, 1878, as exhibited at the annual meeting in May, 1879, viz.;—

Less bonus declared and paid in cash in July, 1879 118,125 0 0

Add premium on new shares to 31st December, 1879.... Net profits of 1879, after making allowance for bad and doubtful debts, and bonus to officers MakingAdd undivided profits from 1878 £1,302,447 17 7 30,791 7 2 Total £1.333,239 4 9 9= £ 243,382 4 9 Leaving

Out of these profits the directors propose to declare, in addition to the foregoing dividends and bonus paid to proprietors as above stated, a further bonus of 6 per cent, payable in July next, making the division of profits for 1879 in all 19 per cent. upon the paid-up capital, free of income tax, amounting to ... £1,089,857 0 0

104.625 0 0

upon the paid-up capital, free of income tax, amounting to ... 104,625 0 0

Leaving reserve invested in Government securities £ 985,232 0 0

Of the 26,125 new shares issued in terms of the last annual report certain shares from various circumstances were not taken up. These having been forfeited and subsequently sold, yielded a profit of £7756 bs., which it is proposed to carry to credit of profit and loss account for the present year.

The measure for limiting the liability of joint-stock companies, which was under consideration of Parliament at the time of our last annual meeting, subsequently became law, and the directors prepared a scheme as a basis on which to register this bank as a bank with limited liability under the Companies Acts, 1862 to 1373. A circular letter was addressed to each shareholder and two extraordinary meetings were held, the first on the 5th of February, and the second on the 5th of April. At these meetings the £50 shares were divided into two shares of £25 each, £10 10s. paid; the liability of each such share was limited to £75, and that of each £20 share to £50. It was further agreed that 16,875 new shares of £20 each should be issued at a premium of £10; £12 to be called up and paid in the following order:—

13th Marc	h, 1880-	Instalment,	£2-Par	rt Premium	. £2
15th Jan.,		ditto	2-	ditto	2
15th Jan.,	1882	ditto	2-	ditto	2
15th Jan.,	1883	ditto	2-	ditto	2
15th Jan.,	1884	ditto	2-	ditto	2
15th Jan.,	1885	ditto	2-	ditto	-
					Materials
			£12		£10

The amount derived from this premium will be added to the reserve fund, and invested in Government securities, as on previous occasions.

At the meeting of shareholders held on the 8th day of April last it was unanimously decided to register this bank as a bank with limited liability, under the Companies Acts, 1862 to 1879, with an increase to the subscribed capital of £8,025,000, which will from the reserve liability of the bank. Power was given to the directors to register the bank on or before the 31st July, and in pursuance thereof, they propose to effect registration on the 1st July next.

When the above arrangements, approved by the shareholders at the meetings referred to, are completed, the capital and reserve fund of the company will be thirteen millions four hundred and seventeen thousand five hundred pounds, as under:—

Capital paid up Ditto uncalled erve liability Reserve fund invested in Government securities. 1,380,000

realthy and influential shareholders, which fully confirms the wisdom of adopting the measure. It is gratifying to observe that the bank continues to widen its connections, 592 leaves accounts having been opened during the year.

WORK.—Circumstances having occurred favourable to the establishment of branch at York, the directors decided upon opening there, appointing Mr. B. W. Hartley as their manager. The business is progressing very satisfactorily.

REDCAR.—Hitherto banking facilities have been supplied from Middle orough, but the increased business of the locality has justified the directors in stablishing a branch, of which Mr. R. H. Dodds has been appointed manager. In conformity with the provision of the new Act it will be requisite for the neeting to provide for the audit of accounts, and elect auditors for that

purpose.

The following directors go out of office by rotation, but being eligible for re-election, offer themselves accordingly:—Hon. Eliot Thomas Yorke, R. Wigram, Esq., and Charles Barclay, Esq.

NATIONAL PROVINCIAL BANK OF ENGLAND.
LIABILITIES—31ST DECEMBER, 1879.
To paid-up capital £ 1
Amount due by the bank on deposits, &c. 2

1	Acceptances	573,828	18	7
	Acceptances Reserve fund, 1st January, 1879	985,232 126,382	0	9
	Total	31,224,289	13	1
	Cs.—By cash in hand—at Bank of England and branches, at call and short notice Government securities Indian Government & other securities, debentures, &c. Bills discounted, loans, &c. Cover for acceptances, as per contra	2 6,679,905 4,511,290 2,272,182 16,613,060 573,828	10	11
	Freehold banking premises, &c., in London and country—Total cost £749,345 13 7 Less, at credit of depreciation fund 175,324 3 4=	574,021	10	3

The above report having been read—it was
Resolved unanimously,—That the same be adopted and printed for the use of

Resolved unanimously,—That the same be adopted and printed for the use of the proprietors.

Resolved unanimously,—That the Hon. Ellot Thomas Yorke, Robert Wigram, Esq., and Charles Barclay, Esq., be re-elected directors of the company. Resolved unanimously,—That Mr. Edwin Waterhouse, of the firm of Messrs. Price, Waterhouse, and Co., and Mr. Roderick Mackay, of the firm of Messrs. Mackay and Co., late Messrs. Robert Fletcher and Co., be appointed auditors of

the bank.

Resolved unanimously,—That the best thanks of the proprietors be to the directors for their very successful management of the affairs of

pany.

Resolved unanimously.—That the best thanks of the proprietors be given to William Holt, Robert Fergusson, and Thomas George Robinson, the general managers, and to the branch managers and other officers of the company for their efficient services.

their efficient services.

Resolved unanimously,—That the best thanks of the meeting be presented to the Chairman for his able conduct in the chair.

Extracted from the minutes by

WM. HOLT,

R. FERGUSSON,

T. G. ROBINSON,

" 'A History of the Precious Metals from the earliest times to the present."

By ALEXANDER DEL MAR, M.E., formerly Director of the Bureau of Statistics of
the United States; Member of the United States Monetary Commission of 1876.

London: George Beil and Sons, York-street, Covent Garden.

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POR DRAINING MINES, WATER SUPPLY OF TOWNS, IRRIGATION,

SUPPLYING DOCKS, PUMPING SEWAGE, and GENERAL

PUMPING PURPOSES.

HATHORN, DAVEY, AND CO., LEEDS.

HATHOEN, DAYEY, and Co. have Patterns of "Differential" Engines of all places, from 5 to 500-horse power, and have facilities for supplying very powerful Engines and Pumps at a short notice.

See Illustrated Advertisement every alternate week.

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MESSRS. THOMPSON AND WRIGHT, 10, CORNHILL,
SUPPLYING in large quantities the BEST SPANISH IRON ORES,
also RICH MANGANESE and SPATHOSE ORES.
Particulars on application.

DEPOSITS OF COPPER ORE AND BLENDE
IN SWEDEN.

THE OWNERS are desirous of FORMING a CONNECTION for the DEVELOPMENT of a DEPOSIT of COPPER SULPHIDE, averaging balk 4 per cent. of COPPER, and proved by surface openings made upon the loge to be of considerable magnitude.

Also of a DEPOSIT of BLENDE, containing 50 per cent. and 60 per cent. of ZING and LEAD, and rich in SILVER. The lode has been traced about 10,000 ft., and several sinkings made prove it continuous for over 2000 ft. The properties are situated in SWEDEN, and about 60 hours journey from England.

For all particulars, apply to Mr. John MILLAR, Gothenburg.

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A FEW SHARES TO BE DISPOSED OF in the WEST OF ENGLAND IRON ORE COMPANY (LIMITED). RETEW IRON AND MANGANESE MINES.

These Mines are in full work, and ore is now being shipped. Estimated cost price when adit is completed 6s. 3d. per ton. Large orders are on hand at 12s. 6d. o 15s. For prospectus, report, and plan of property, apply to the Secretary, No. 44, neen-street, Wolverhampton.

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THE ADVERTISER being connected with EXTENSIVE COLLIERES in LANCASHIRE, where the ENDLESS CHAIN HAULAGE is much used in preference to all others, is open to DESIGN, ARRANGE, and CONTRACT for the same to other firms, either for UNDERGROUND or SURFACE WORK. Also PUMPS, SCREENS, &c., required at MINES or COLLIERIES, will be supplied on reasonable terms.
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by Royal Mail Steamer, COLUMBA or IONA, from Bridge Wharf daily,
at Seven A.M., and from Greenock at Nine A.M., conveying PASSENGERS for
ORAN, NORTH and WEST HIGHLANDS.
Official Guide Book, 2d.; illustrated copy, 6d.—see bill, with Map and Tourist
Fares, free, at Messrs. CHATTO and WINDUS, Publishers, 214, Piccadilly, London;
or by post from the Owner, DAVID MACBRAYNE, 119, Hope-street, Glasgow.

CARON MINING COMPANY (LIMITED).—
For legal purposes, TWENTY SHARES, fully paid, MUST BE SOLD AT ONCE. Offers required.
Apply to "C. P.," 16, Bartlett's Buildings, Holborn, E.C.

THE CONSOLIDATED MINING COMPANY (LIMITED).

NOTICE OF CHANGE OF ADDRESS.

The Consolidated Mining Company (Limited) give notice that it has this day REMOVED ITS OFFICES from No. 57, Moorgate-street, to—

No. 3, WEST STREET, FINSBURY CIRCUS.

By order of the Board, CHAS. CADOGAN, Secretary.

Dated 12th May, 1880.

CHAS. CADOGAN, Becretary.

THE RICHMOND CONSOLIDATED MINING COMPANY (LIMITED).

Sotice is hereby given, that the ORDINARY GENERAL MEETING of the Shareholders of the Richmond Consolidated Mining Company (Limited) will be held at the City Terminus Hotel, Cannon-street, London, on TUESDAY, the 25th day of May instant, at Twelve o'clock noon, to receive the Report of the Directors and the Statement of Accounts for the year ending Feb. 29, 1880, and to transact the general business of the company.

The Transfer-books will be closed from the 21st to the 25th of May, both days inclusive.

By order of the Board,

HUBERT AKERS, Secretary.

M I N E "ELCALLAO, COUPONS OF SHARES 322

GOLD IN BARS produced in the month of February, 1880, and remitted to Messrs. Baring Brothers and Co. 4098-62

Dividend distributed in the month for each coupon \$100

The Treasurer, The President of the Company, A. SICCIONI.

S O U T H C A M B R I A N M I N E S,

CARDIGANSHIRE.

A SMALL NUMBER OF SHARES in this Company FOR SALE.

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(LIMITED

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10 tons, part of which are constructed specially for shipping purposes. Wagons
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WORKS,—SMETHWICK, BIRMINGHAM.

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Capital £10,000, in 10,000 Shares of £1 each.

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CAPT. W. TREGAY, Mining Engineer, REDRUTH.

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CAPTAIN ABSALOM FRANCIS, M.E.,

CWM PRYF.—For present prospects, see report this week in Mining Journal.

Shares will go to £5 before the end of 1880. A large tract of ground has been added to the present grant, making it one of the most extensive setts in the county of Cardigan. For the few remaining shares unissued out of the 20,000, applications may be made to the above before the 31st inst., from whom all particulars may be ascertained.—Goginan, 2nd April, 1880. ABSALOM FRANCIS.

FORCE CRAGG LEAD AND BARYTES MINE AND WORKS,

SITUATE AT BRAITHWAITE, NEAR KESWICK, IN THE COUNTY OF CUMBERLAND. FOR SALE.

TENDERS will be RECEIVED by the UNDERSIGNED stating the HIGHEST PRICE which will be given for the above VALUABLE MINE and WORKS, now in full working order.

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T. Richards, Esq., F.G.S., Bond-street, Redruth, inspected the property reently, and his report, with any further information required, can be had on application to Mr. John Franco, Accountant, Cockermouth, one of the Liquidators, Cockermouth, March 8, 1880.

VALUABLE SILVER-LEAD MINES IN SPAIN.

THE VILLAGUTIERREZ SILVER-LEAD MINE, situated in SPAIN, in the rich province of CIUDAD REAL. Twenty concessions, covering altogether an area of 580 acres. Each ton of ore contains 1210 lbs. of Lead and 5½ lbs. of Silver.

The Underground workings are about 1300 ft. in length, and reach to a depth of 100 fathoms. Very large plant of Rock-Drilling Machinery, 18 Rock-Drilling (Ingersoll), Three of Sturgeon's Air Compressors, Wrought-Iron Air-Pipes, Tubing, &c., &c., Ore Washing and Dressing Machinery, and General Plant, Ore Breakers and Crushers, Workshops, and Sheds, Mausger's House and Offices, and Houses for 300 men and their families. Large grounds of 400 acres, partly cultivated.

For further particulars, plans, and order to visit the mines apply to the Liquidator of the Company of Villagutierrez, 22, Rue Chateaudun, Paris; or in London to Mr. A. Sauver, 22, Parliament-street, S.W.

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The quarries are in perfect working order, capable of doing an unlimited business, and admirably situate for the transit of the stone either by railway or water, and labour is abundant and cheap in the neighbourhood.

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TO BE SOLD BY PUBLIC AUCTION, under Decree of the Supreme Court of Newfoundland in Equity, in a suit between CHARLES FOX BENKETT, Plaintiff, and SMITH, MCKAY, and LEAMDER GILL, Defenda. ts, on Thurslay, the 1st day of July next, at Twelve o'clock noon (if not previously disposed of by private sale), at the Court House, St. John's, Newfoundland, that VALUABLE COPPER MINE and MINING PROPERTY called and known as the UNION MINE,

Situate on the east and west sides of Tilt Cove, on the north side of Notre Dam or Green Bay, Newfoundland, and near Cape John, with all erections, improve ments, plant, and other property and effects thereto appertaining.

The Mine is held under Grant in fee from the Government of Newfoundland, containing two miles in length by half a mile in breadth; a License of Occupation from the said Government containing one mile square west of and adjoining the Crown Grant, and land held under conveyance of feesimple interest of former owners.

The title-deeds and documents, plans and surveys and Conditions of Sale of the property may be seen, and further information may be obtained, by application to PRESCOTT EMERSON, ESq., Q.C., Master in Chancery, St. John's, Newfoundland.

January 23rd, 1880.

Master in Chancery, St. John's, Newfoundland.

For further particulars apply to C. T. BENNETT, Esq., 55, Queen's-square,

Master in Chancery, St. John's, Newfoundland.
January 23rd, 1880.
For further particulars apply to C. T. BENNETT, Esq., 55, Queen's-square,
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and Greener, Solicitors for the Plaintiff; WINTER and CAETEE, Solicitors for
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TANK LOCOMOTIVE, 10 in. cylinder, by Hunslet Engine Company.
ONE CAMERON 8 in. BOILER PUMP, double cylinders.

TWO LANCASHIRE BOILERS, by Adamson, 30 ft. by 6 ft., with fittings complete, worked about four years.

TWO DITTO, by Joicey and Co., same size and age.
FOUR STRAND CONDUCTING RODS, 220 yards long, 1½ in. diameter.
COVERED HEAPSTEAD, pitch pine supports, corrugated iron roof, with eight screens, 29 ft. long, complete, erected in 1875; headgear, and two 12 ft. flat rope pulleys.

screens, as it. long, complete, elected in low, headges, head pulleys.

200 CORVES, and a large quantity of MISCELLANEOUS COLLIERY RE-QUISITES.

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DO BE LET, ON LEASE, a LARGE and VALUABLE DEPOSIT of IRON ORE, of large extent, undeveloped, and close to the surface. The PROPERTY is situate within eight miles of WEYMOUTH and ten from BRIDPORT HARBOUR.

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one harmous, apply to— Hon. CECIL T. PARKER, Land Agent, Evershot, Dorset; or to Messrs, FLADGATE AND CO., 40, Oraven-street, Strand, London, W.C.

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Have Agents in England, Scotland, Wales, and on the Continent.

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Walker, Parker, and Co. ditto ditto ditto BLENDE.

Date. Mines.
May 12—Talargoch

ditto

ditto

ditto

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ID SCOTT, E, Esq. RKE.

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GLAND,

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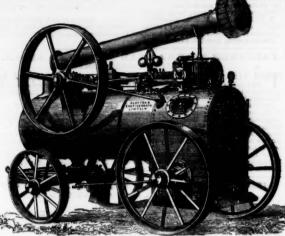
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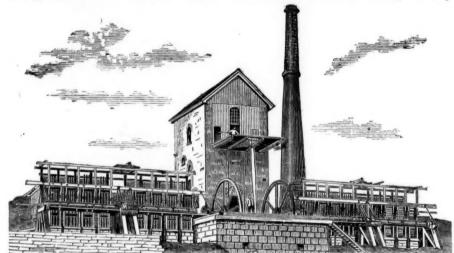
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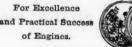
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15500	Court Grange United* s.l	0	17	6	× × 16
8400	Crook Burn * / Cumberland	ŏ	5	0	1/4 1/10 1/4
14000	Crosswood Mining Lands, I*	1	ő	0	1/4 1/10 1/4 1/4 1 1/2
15000	Cwm Dwyfor,* c, s-l, Carnaryon	1	0	0	
25000	Cwm Prvf*, l, Wales	1	0	0	
1280	D'Eresby Consols, l, bl, Carnarvon	10	0	0	
1024	D'Eresby Mountain, l, bl, Llanrwst.	20	0	0	
20000	Denbighshire Consolidated,* 1	3	0	0	3 23
12000	Derwent,* l, Durham Devon,* c, bl, Tavistk. (125000 iss.) Dubby Syke, l, Durham*	4	0	0	3 2 3 3
100000	Devon,* c, bl, Tavistk. (125000 iss.)	- 0	1	0	1/20 1/20
10000	Dubby Syke, I, Durham*		17	6	11/16 11/16
10000	Dunman's Bay, * c, l (3000 ord. sh.) East Caradon, c, St. Cleer I	1	0	0	1 1
6144	East Caradon, c, St. Cleer	3	4	6	1 1
4000	East Chiverton, l, Perranzabuloe East Craven Moor,* l, Pateley Bdg. East Crebor, c, Tavistock	10	10	3	1%134 1%
12000	East Craven Moor, t, rateley Bug.	10	0	0	114 74 1
15000	East Devon Consols, c, Devon	2	0	0	2 13/ 9
30000	Fast Florida * s.l. Cardiganshire	î	Ö	0	174 -
10000	East Florida,* s-l, Cardiganshire East Longstone,* s-l, Lezant	i		0	1 1
21000	East Longstone," s-t, Lezant East Roman Graveis, * t, Salop East Van, t, Llanidloes* East Wheal Buller, t, c, Gwennap East Wheal Lovell, t, Helston East Wheal Console*	ō	10	0	36 34 36
18000	East Van, I, Llanidloes*	5	0	0	4 314 4
4096	East Wheal Buller, t, c, Gwennap	0	10	0	4 3½ 4 1¾1½ 1½ 2½ 2 2½ 1½1¾ 1½
1114	East Wheal Lovell, t, Helston	13	8	6	214 2 21/2
			0	0	15%13% 15%
6000	Florence,* s-l, bl, St. Ive	5		0	3
10000	Fortesuce, * ar, 5t. Ive Fortesuce, * ar, 5t. Stephens. Frongoch, * l, Cardgn (11000 sh.iss.) Gawton, c, Tavistock. Glenroy, * a-l, Isle of Man Great Dyliffe* (10000 sh. issued)	1		0	21/8 2 23/8
12500	Frongoeh, 4, Cardgn (11000 sh.iss.)	2		0	514 41/4 5
3950	Gawton, c, Tavistock	4		6	5½ 4½ 5 1¾ 1¼ ½ 1¼
14000	Glenroy," 8-4, Isle of Man	?		0	114 76 11/6
20000	Great Dyline" (10000 sh. issued)	1	0	0	11/ 1 11/4
20000	Gt. E. Foxdale, l, I. of Man (£1 sh.) Great Holway,* l, Flintshire	5	18	0	5 45
6000	Great Wh. Eleanor, t, North Bovey	2	o	0	0
20000	Griffin,* s-l, Carnarvon	ī	ő	0	2
9880	Gunnislake (Clitters) t. ct	5	5	0	514434 514
10000	Gwern-y-Mynydd, * s-4. Flintshire	4	0	0	514 5 514
10000	Gunnislake (Clitters), t, c]	o	5	0	
1200	Hartington Moor, * carb, I, Derby	1	1	0	11/2 1 11/2
6400	Harwood, * l, Durham	ō		0	
3000	Harwood, * l, Durham	1		0	4 31/4 4
18000	Hingston Down, c, Calstock*1	0	7	0	114 1/2 11/2 1/2 1/2 1/2
		3	5	0	76 3/8 3/4
30000	Lady Ashburton, * s, Callington	1	0	0	_
15000	Lady Bertha, c, Tavistock	0	2	6	36 16 14 16 14 14 214 214
12000	Ladywell, 4, Salop (12000 prf. also)	2	10	0	16 14 1/2
5000	Lead Era, * /, Mold	2	10	0	21/4 23/4
2500	Levant, c, t, St. Just	11	0		
15000	Liandegia, 4, Lianarmon	1	0	0	
10000	Lady Ashburton, *, Callington Lady Bertha, c, Tavistock Ladywell, * l, Salop (12000 prf. also) Lead Ern, * l, Mold Levant, c, t, St. Just Llandegla, * l, Llanarmon Llansawel, * l, Wales Lomax, * l, Helston	0	0	0	21s
			4.3	U	618

		East Roman Graveis, 4, Salop	0	10	0	38	24 78
	18000	East Van, I, Llanidloes*	5	0	0	4	316 4
	4096	East Wheal Buller, t, c, Gwennap	0	10	0	13/4	11/4 11/2
	1114	East Wheal Lovell, t, Helston	13	8	6		2 21/2
	30000	Flintshire Great Consols*	1	0	0	156	136 156
	6000	Florence,* s-l, bl, St. Ive	5	0	0		-/4 -/4
1	10000	Fortescue, * var, St. Stephens	1	0	0	214	2 23%
ı	12500	Frongoeh, * l, Cardgn (11000 sh.iss.)	2	0	0	514	436 5
1	3950	Gawton, c, Tavistock	4	9	6	134	1/2 0
1	14000	Glenroy, * s-l, Isle of Man	4	0	0	11/	36 136
1	20000	Great Dyliffe* (10000 sh. issued)	i	Ö	0	11/	1 134
1		Gt. E. Foxdale, l, I. of Man (£1 sh.)	ô	18	0		
1	12000	Great Holway, * 1, Flintshire		0	0	5	4 5
1		Great Wh. Eleanor, t, North Bovey		ő	0	9	
1		Griffin, * s-l, Carnaryon	î	ő	0	2	
1				5	0	EI/	134 534
1	3000	Gunnislake (Clitters), t, cI	4		0	672	74 074
1	10000	Gwern-y-Mynydd,* s-l, Flintshire	7	0	0		5 5%
1	10000	Harehope Gill, * l, Durham (£1 sh.)	0	5	0		
1	1200	Hartington Moor, * carb. l, Derby	1	1	0	11/2	1 11%
		Harwood,* l, Durham	0	15	0		
1		Herodsfoot, l, near Liskeard†		0	0	9	31/4 4
1		Hingston Down, c, Calstock*†	0	7	0	134	3/4 11/6
1		Killifreth, t, Chacewater	3	5	0		78 34
1		Lady Ashburton, * s, Callington	1	0	0		
1	15000	Lady Bertha, c, Tavistock	0	2	6	.36	36 34
-1		Ladywell,* l, Salop (12000 prf. also)	2	10	0	36	36 36
1		Lead Era, * l, Mold	2	10	0		134 234
J		Levant, c, t, St. Just	11	0	0		
1	15000	Llandegla, * 1, Llanarmon	1	0	0		
1	6000	Llansawel,* I, Wales	5	0	0		
1	10000	Lomax, s-l, Helston	1	0	0	21s	
1	5120	Lovell, t, Wendron	0	16	0	136	1 137
1	30000	Llanrwst,* l, Carnarvon	2	0	0		
1	7500	Ditto, 10 per cent. pref	2	0	0	214	2 234
1	9000	Marke Valley, c, Linkinhorne!	5	8	6	2	13/ 2
1	1800	Mawston, " l, South Wales	1	0	0	136	1 146
I		Medlyn Moor, t, Wendron	3	15	10		/-
ı		Mid-Devon, c (& 17000, 3s. 4d. pd.)	0	6	8	34	16 36
ı	8000	Mineral Corporation of Gt. Britain*		0	0		70
ı		Mona, * c, Anglesea	5	0	0	15	13 15
ĺ	10000	Mynydd Gorddu, I, Cardigan*	3	ő	0	316	10 10
ĺ		Morfa Du, z, g, s, Anglesea*	1	0	0	1%	1 11/
1	8144	Mount Carbis, t, c, Redruth	ô	10	0	184 1	1 134
1	4679	New Bronfloyd, * s-l, Cardig.(£5 sh.)	3	16		* 72	74 174
1		New Cathedral, c, t, Gwennap	1	0	0		
ļ	12000	aren caenediai, e, e, e weiliap	*	U	0		
_			-	_			

NON-DIVIDEND MINES		001	utin	ned.
Shares. 2400 New Cook's Witchen, t. Illogan		aid.	La	et and ca.
8000 New Dolcoath, t, c, Camborne*	9	0	0	7036 9
6000 New Kitty, t, St. Agnes	0	2	0	1361% 1
10000 New Llanfair, l, Carmarthen	1	0	0	-
3500 New Tincroft. * t. Lelant	6	10	0	314214 3
35000 New Wye Valley, I, Montgomery.* 5000 North Alfred Consols, c, Phillack	1	. 0	0	1%1% 1
10000 N. D'Eresby Mount. * l. bl. Carnary.	6	2	0	
12000 North Herodsfoot, I. Liskeard	ô	5	0	1 36 19
12000 North Herodsfoot, i, Liskeard 2000 North Levant, t, c, St. Just] 50000 North Molton, e, mn, t, Devon 6000 North Penstruthal, t, c, Gwennap 2338 North Treskerby, c, St. Agnes 12000 Pandora, e, t, Carnarvon 30000 Part-y-Mwyn, e, Mold 6000 Partacombe, s-t, Devon 6000 Partacombe, s-t, Devon 6000 Partacombe, s-t, Devon 6000 Partacombe, s-t, Printshire 6000 Pandora, e, T, Fiintshire 6000 Pen-yr-Orsedd, e, t, Fiintshire 6000 Penhalls, t, St. Agnes] 6000 Penhalls, t, St. Agnes]	13	6	0	% % X
50000 North Molton, c, mn, t, Devon 6000 North Penstruthal, t, c, Gwennap	1	0	0	
2936 North Treskerby, c. St. Agnes	8	17	10	2 1/4 3/
12000 Pandora,* l, Carnarvon	2	0	0	. ***
30000 Pant-y-Mwyn,* l, Mold	2	0	0	214 76 1
45000 Parvs Corporation, * c. Anglesea	1	5	0	7.00
7500 Pateley Bridge, I, Yorkshire	i	ő	0	156136 1
15000 Ditto (also 7500 sh. not issued)	0	17	0	1 %
12000 Pen-yr-Orsedd,* l, Flintshire 5000 Penhalls, t, St. Agnes?	1	0	0	11/6 1 11/3 3 21/6 1
5000 Penhalls, t, St. Agnes 7 7000 Picton, s-l, Holywell, fully paid 6000 Plympton Mining and Arsenic* 12000 Plynlimmon, l, Llanidloes*	1	17	6	3 216
6000 Plympton Mining and Arsenie	1	. 0	0	14 16 X
12000 Plynlimmon, l, Llanidloes*	2	0	0	68 48. 6
10000 Port Nigel * s.l. Carnaryonshire	0	10	0	21/2 2 21/2 21/4 2 21/4 21/4 1/4
12000 Prince of Wales, c, s, Calstock	ő	7	6	2 /4 2 2 ½ /4 5/4 3/4
12000 Rashleigh, t, c, St. Blazey	0	5	0	
10000 Poirose, t, Cornwall 10000 Poirose, t, Cornwall 10000 Poirose, t, Cornwall 10000 Port Nigel, * s-t, Carnarvonshire 12000 Prince of Wales, c, s, Calstock 12000 Rashleigh, t, c, 8t. Blazey 12000 So. Cambrian, * t, Cardiganshire 13000 South d'Eresby Mountain, t 1512 South Dolcoath, s, t, Redruth 15000 South Penstruthal, t, c, Gwennap. 15000 South Penstruthal, t, c, Gwennap. 15000 South Roskear, t, c, Camborne 15000 South Roskear, t, c, Camborne 15000 South Roskear, t, c, Camborne 15000 South Wheal Crebor* c, Tavistock, 15000 South Wheal Crebor*, c, Hlogan. 15000 South Wheal Crebor*, c, Hlogan.	1	0	0	1¾1¼ 1; 1¼1¾ 1;
512 South Dolcoath, c, t, Redruth	12	5	0	1341% 1
6000 South Penstruthal, t,c, Gwennap	0	10	0	3/ W W
5000 So. Prince of Wales, * s,c, Calstock . 6000 South Roskear, t, c, Camborne	1	0	0.,,	11/2 1 1/2
6000 South Tolcarne, t. c. Camborne	8	14	0	144
40000 South Wheal Crebor*, c, Tavistock	1	0	0	1½ 1 1½ 1½ 1 1½ 16 15 18
2043 South Wheal Crofty, c, Illogan	16	0	0	16 15
4000 St. Just United, Cornwall	2	10	0	
10000 St. Patrick, l, Halkin, Holywell	1	0	0	26" 8/ 11
4000 St. Just United, Cornwall 6000 St. Lawrence, Amal. l, Flintshire*. 10000 St. Patrick, l, Halkin, Holywell*. 30000 Talybont.* s-l, Cardiganshire	1	0	0	36 36 36
40000 Tamar, s-l, Bearalston* 6400 Teesdale,* l, Durham (pref.) 5000 Treleigh Wood, t, Redruth	1	0	0	134136 19
5000 Treleigh Wood, t. Redruth	6	0	0	38 14 34
buou Trugo, c, St. Columb	0	2	0	
640 Truro, * l, Nerquis, Flintshire	10	0	0	
10000 Un. Van & Glyn. * l. (& 41500 other sh	0 2	10	0	16 16 16
1000 Vaughan, * l, Cardiganshire	10	ő	0	28-1, 28 %
18000 Victor,* I, Flintshire (£1 share)	0	5	0	
6000 West Basset, c. Illogant?	1 7	0	0	21/2 2 21/2
6000 West Caradon, c, St. Cleer	ó	3	6	19½18½ 1 3½ 3 3½
3000 W. Craven Moor, I, Pateley Brdge*	10	0	0	5 38
12000 West Goginan,* Cardiganshire 12000 West Holway,* l, Flintshire	2	0	U	Proper
6000 West Kitty, t, St. Agnes	0	9	0	1 1/2 1 3/4 1 3/2 1 3/4 1 3/
5000 West Mary Ann, * 1, Menheniot	1	2	6	114114 11
3000 Westminster United, Llanarmon 20000 West Pateley Bridge, *Yorkshire, l.	5	0	0	
12000 West Phonix, t, c, Caradon	0	6	8	23/ 21/ 01
5190 West Poldice, St. Day 1	5	0	0	2 1/4 2 1/4 2 3 2 1/4 2 1/4 2 3
10000 West Vor, t, c, ars-m, Breage	2	0	0	
20000 West Pateley Bridge,* Yorkshire, I. 12000 West Phoelix, t. c, Caradon 5190 West Poldice, St. Day! 10000 West Vor, t. c, ars-m, Breage 2048 West Wheal Frances, t. Illogan; 3000 West Wheal Peevor, t, Redruth 1000 West Wheal Powan, c, t, Illogan; 12000 West Wheal Towan, c, t, Illogan 12000 West Wey Valley,* t, Montgomery. 6000 Wheal Agar, c, Illogan; 6144 Wheal Basset, c, Illogan; 12000 Wheal Coates United,* t, St. Agnes 2585 W. Comford, & No. Tres., c, Gwennap	29	5	0	18 17 18
1000 West Wheal Towan, c, t, Illogan	25	ő	0	7½ 7 7½ 2525 275
12000 West Wye Valley, * l, Montgomery. 6000 Wheal Agar, c, Illogan?	3	0	V	2 12
6144 Wheal Basset, c. Illogan!	13	15	0	
12000 Wheal Coates United," t, St. Agnes	0	10	6	41/4 4 41/4 13/4 13/4 13
2585 W.Comford, & No. Tres., c, Gwennap 6000 Wheal Grenville, t, Camborne 12000 Wheal Jewell, c, St. Hilary	2	2	U	5 456 5
12000 Wheal Grenville, c, Camborne	5	10	0	10 9 1/4 1
2048 Wheal Jane, t, Keat	6	13	10	5 41/4 5
2000 Wheal Owles, t, St. Just J	7	3	0	814714 81
12000 Wheal Russell, c, Tavistock	2	1	0	***
4096 Wheal Unv. t, c, Redruth	15	15	0	514 5 51
3000 White Cliff, * l, Llanrwst	5	0	0	51/2 5 51/2
12000 Wheal Javel, c, St. Hilary. 2048 Wheal Jane, t, Keaj. 2000 Wheal Owles, t, St. Justj. 12000 Wheal Russell, c, Tavistock. 6000 Wheal Sisters, t, Lelant. 4096 Wheal Unv, t, c, Redruth. 3000 Wheal Clift, t, Llanrwst. 24000 Ystwith, t, Cardigan.	1	0	0	11/4 11/4 1
bl, blende; c, copper; g, gold; l, lead s-l, silver-lead; l, tin; z, zinc; l, ir * Limited Liability Companies; t quote f have paid divide	; 4	, si	lver;	sl, slate;
* Limited Liability Companies; † quoted	on	th	e Sto	enie. ek Exchance
I have paid divide	no	ls.	1300	on manualige

NON-DIVIDEND FOREIGN MINES; FOREIGN AND MISCELLANEOUS STOCKS; TRAMWAYS; INSURANCE COMPANIES; GAS, IRON AND COAL, WAGON COMPANIES, &c.

412						
Share	t#.		Pau	d. (Clos.	pr.
30000	Birdseye Creek, g, California* Blue Tent, hyd, California Buena Ventura,* l, Spain (£2 sh.).	5 1	0 0 10		2	
82500 34433 15000 49935 75000 65000 90000	Oanada,* g, Canada Canadian, c, sul,* Canada Cedar Creek, g, Oalifornia* Chicago, s, Utah* Chontales, g, s, Nicaragua*† Colombian Hydraulic, g, Colombia Colorado United, s-l Colorado*†; Consolidated Mining	5 1	00000000	0	21/2 1/16 21/4 5/8	
20000 100000 100000	Don Pedro North del Rey* English Australian, g, Victoria* Exchequer, g, s, California*† Frontenac,* l, Ontario, Canada	1111	0000	0	1/4	
10000 12000	Hornachos,* s-l, Spain	10	0	0	2 :	234
100000 7500	Ind. Glenrock, * g, Wynaad (fy.pd) Isabelle, g, s, * California (£20 sh.).	1 5	00	0		13/4
100000	I.X.L., g, s, California*	1 2 1	000		14	% %
65000 7587	Last Chance,* s, Utah London and California, g*†; Lusitanian, Portugal*† (fy. pd.) Missouri, l, pref (fully paid)	5 2 5 10	0000	0	34	-
\$6000 200000 3000 50000 80000 25000	Mava de Jadraque, * g, s, Spain New Quebrada, c, Venezuela	15144302	000000000000000000000000000000000000000	0	33/2	4% 36 31/4
8600 100000 25300 200 10000 100000	Ravenscliff, g, N. Zind; c, S. Aust. Rio Grande do Sul*(and 31,00) pref.) Rossa Grande, g, Brazil*(£! sh.). Ruby and Dunderberg, g, Nevada* Ditto (10 per cent. deb. conv.). Silver Plume, s, Colorado	50	10 0 0 0 0 0 0 0	0	%1e	234
43174	United Mexican,*†; s, Mexico	2	2	6 0	174	1/2

GAS COMPANIES.
Innex. Shares, PAL. Clos. pr. S000. 20. Bahia [L]
14000 20British all 34 36
5500008kkCommercial
094850.8kkGaslight and Coke, A. Ord100 178 181 50000 10 Ditto, 4th issue
2800000.8kkImperial Continental
10000 5Ottoman [L] all

Issue.	Sh	INSURANCE COMPANIES.	A
		Alliance British and Foreign 11 321/2 331/4	£
10000	100	Ditto, Marine	Á
50000	30	British and Foreign Marine [L]. 4 151/2 16 pm	
550000		British and Foreign Marine [L]. 415½ 16 pm Commercial Union	
0000	50	Eagle 5 51/4 6	
5000	20	Globe Marine [L] 11 2 1 dis	
27500	100	Imperial Life	
13453	100	Indemnity Marine 50 100 102	
00000	10	Lion Fire [L] 2 2 % 3 %	
49626	20	L'nool & Lond Globe (Pl annty) 2	
35862	25	Lion Fire [L]	
40000	25	London and Lancashire Fire 21/241/4 41/4 pm	
50000	20	London and Provincial Marine 21/2 3 pm	
10000	100	Marine 18 85 87	
50000	10	Merchants' Marine 2 1½ 1 dis	
50000	10	Maritime 2 434 5	
40000	50	North British and Mercantile 834 51 53	
30000	100	Northern 5 35 37 pm	
40000	25	Ocean Marine 5134 214 pm	
	_	Phœnix Fire	
000000	10	Queen 1 2½ 2¾pm	
00000	10	Railway Passengers 29s 7½ 8½	
000000	5	Rock Life 1/2 8 8 1/2	
50000	10	Sea 2 3 3½ pm	
25000	10	Scottish Commercial 113s. 20s.pm	
4000	20	Standard Marine 4 3½ 3%	
10000	20	Thames and Mersey Marine [L]. 2 716 8 pm	
40640	20	Union Marine, Liverpool [L] 5 . 31/2 4 pm	
50000	20	Universal Marine [L] 7½ 7½ pm	

		BANKS.
0000	10	Agra [L] all 103/ 103/
0000	20	Anglo-Egyptian Banking [L] all 25 26
0000	40	Bank of Australasia all 78 80
2500	20	Bank of British Columbia all 17 18
0600		Bank of British North America., all 53 55
0000	25	Bank of Egypt
0000	20	Bank of New South Wales all 54 56
0000		Bank of New Zealand all 211/2 221/2
5000		Bank of South Australia all 43 45
0000	50	
0000	20	Chartrd. of Ind., Aust., & China, all 22 23
0000	25	Ch. Merc, of Ind., Lond., China, all 21 22
0000	100	Colonial 30 52 54
0000	20	English Bk. of Rio de Janeiro [L] 10 1/4 1/4 pm
0000		London and River Plate [L] 10 21/2 21/2 pm
0000	10	London and San Francisco [L] all 81/4 83/4
0000		London Chartered of Australia all 25 28
0000		National Bank of N. Zealand [L] 31/2 1/2 dis par
0000		Oriental Bank Corporation all 19 20
2500		Queensland National [L] 5 7½ 8
		Stndrd. of British So. Africa [L]. 25 49 50
0000	25	Union of Australia all 6216 6316

50000 25 Union of Australia
FOREIGN AND MISCELLANEOUS STOCKS.
Closing prices.
Argentine, 1868, 6 per cent 93 95
Bolivia, 6 per cent. Bond Com. Cert 441/2 451/2
Brazilian, 1865, 5 per cent 95 97
Chilian, 1886, 7 per cent 94 97
City of Melbourne, 5 per cent., 1896-1907104 106
City of Ottawa, 6 per cent. Sterling104 106
City of Providence, 5 per cent. coupon bonds104 106
City of Quebec 6 p. cent. Con. Fnd. Stg Loan.106 108
City of Toronto, 6 p. ct. Stlng. Bnds, 1897-1904.110 112
Egyptian Government pref 881/2 89
Ditto, Unified Debt 59 ½ 60
Ditto, 7 per cent. V.M.L 82 84
Ditto, 9 per cent. guaranteed 87 89
Ditto, K. Daira Sanieh 73½ 74½
Foreign and Colonial Gov. Trust, preferred106 108
Ditto, 5 per cent., deferred104 108
Peruvian, 1870, 6 per cent 1734 18
Ditto, 1872, 5 per cent 16 161/4
Russian, 51/2 per cent. L. Mort
Spanish, Quicksilver, Mort. 5 per cent101 103
Winited States Most 6 man cent 106 109

Shar	IRON AND COAL COM es. Company. Pe	nd.		ice.	
	Abbot, John, and Co [L] £ 75		121/2	12	dis
15	Abbot, John, and Co [L] £ 75 Albion Steel and Wire Co. [L] 14	0		-	
- 5	Alltami Colliery Co. [L] 5	0		4	
100	Ashbury Co. [L]	0	51	49	dis
10	Bagnall, John, and Sons [L] 3	0		234	
50	Benhar Coal Co. [L]	0	2	21/6	
50	Bilson & Crump Mdw Coll [L] 10	0	22	221/2	
100	Bolckow, Vaughan, & Co. [L] A 60	0	1734	1834	nm
50	Bolckow, Vaughan, & Co. [L] A 60 Brown, Bailey, and Dixon [L] 40	0	18	17	dis
100	Brown, John, and Co. [L] 70	0	81/2	8	dis
3	Cakemore, Cseway. Grn. ord. sh. 3	0		_	
3	Ditto (71/2 per cent. pref.) 3	0	-	-	
100	Cammell and Co. [L] 80	0	9	81/2	dis
10	Cannock & Huntington Coal[L] 10 Central Swedish Iron & Stl.[L] 10	0		10%	dis
		0	1	11/6	
50	Charlton Iron Co. [L] 50	0	3	4	
50	Charlton Iron Co. [L]. 50 Chatterley Iron Co. [L]. 50 Chillington Iron Co. [L]. 50 Chillington Iron Co. [L]. 50 Consett Iron Co. [L]. 7 Consett Spanish Ore [L]. 1 Cooke, William, and Co. [L]. 45	0	7	10	
10	Chillington Iron Co. [L] 10	0	33/4	4	
10	Consett Fron Co. [L]	10	15	151/2	pm
50	Cooke, William, and Co. II.1 45	7	35 16	30 16	pm dis
20	Darlington Iron Co. [L] 15	0	834	714	dis
50	Davy Brothers [L] 22	10	4	41/4	pm
23	Ebbw Vale Co. [L] 20	0	11	101/4	dis
100	Fox, Samuel, and Co. [L] 80	0	-	-	
	Genl. Mining Ass. [L] (ful.pd.) 8	0	31/2	4	
50	Knowles, Andrew, and Co. [L] 22		121/2	11	dis
20	Llay Hall Coal, Iron, &c. [L]— 10 Llynvi and Tondu [L] 20	0	6	7	
10	Lydney & Wigpool Iron Ore [L] 9	5		8	dis
10	Marbella Iron Ore Co. [L] 10	0	3	334	14 6 19
10	Midland Iron Co. [L] 5	0	-	214	pm
10	Monkland Iron & Coal Co. [L] 10	0	3	336	
100	Mwyndy Iron Ore [L] 3	15	2	11%	dis
100	Nant-y-Glo& Blaina(8 p.c. prf.)100 Nerbudda Coal and Iron [L] 2		27	32	31-
10	Newport Abercarn Coal Co. [L] 10	0	13%	43%	dis
10	Northmptn. Coal, Iron. &c. [L] 3	0	_	- 773	
10	Northfield Iron Co [1.]	13	21/2	2	dis
35	Paimer's Shipbldg, & Iron [L] 35 Parkgate Iron Co. [L] 65 Patent Nut and Bolt [L] 14 Pelsall Coal and Iron [L] 17 Physpack Iron Co. [L] 17	0	0.7%	834	dis
100	Parkgate fron Co. [L] 85	0	43/4	5	pm
20	Pelsall Coal and Iron (T.)	0	734	734	pm
50	Rhymney Iron Co. [L] 50	0	314	31	dis
10	Sandwell Park Colliery Co. [L] 10	-			
100	Shotts Iron Co. [L]100	0	1534	16¼ 60	
100	Sheepbridge Iron and Coal (L) 20	0		171/2	dia
50	Silkstone & Dodw. Cl. & Iron [L] 45	0	35	321/3	
50	Somorrostro Iron Co. [L] 50	0	-	-	
100	Staveley Iron and Coal Co. [L] 60	0	231/4	241/4	pm
15	Ditto ditto B 10	0		9-29	pm
50	Teesside Iron & Engine Works 15 Tredegar Iron and Coal, A fl. 26	0	5	236	die
25	Tredegar Iron and Coal, A [L] 26 Ditto ditto B 25	0	2334	2334	dis
20	Ulversion Mining Co. [L] 16	0	13		dis
10	vancouver Coal [L] 6	0	234	134	dis
100	Vickers, Sons, and Co. [L]100	0	5	716	pm
25	W.Cumberland Iron & Steel [L] 20	0	734	63/4	dis

o or transfer mind round becer [13] to o	. 174 074 018
444.4.646	
WAGON COMPANIES	
Sharen, Pd.	Clos. pr.
10 Birmingham Wagon Co. [L] £10 0	. 151/8 153/8
	997 997
10 Ditto pref., 6 per cent 10 0	. 111/6 113/6
20 British Wagon Co. [L] 10 0 .	. ½ 3/4 pm
	934 10
	. 1/4 dis par
	. 31/8 33/2 pm
5 Ditto pref., 6 per cent 5 0	. 1/a 1/4 pm
10 Midland Rail. Car. & Wag. [L] 10 0	. 101/4 111/4
10 Ditto pref., 6 per cent 1 0	. 3/4 dis 3/4 pm
20 North Central Wagon Co 20 0	
5 Rail, Car. [L] Oldbury 5 0	. 4 41/4
5 Ditto pref., 6 per cent 5 0	. 41/4 41/4
20 Sheffield Wagon Co. [L] 15 0	. 3/4 3/8 dis
10 Swansea Wagon Co. [L] 10 0	. 3 3%

	TRAMWAYS.
	Issue, Shares. Di Clas we
is	40000 5 Anglo-Argentine [L] ai 4 4½ 10000 10 Barcelona [L] all 9½ 10½
	10000 10 Barcelona [L] all 91/ 101/
	7140 10Belfast Street Tramways ali74 84
ia	3050 10Birkenhead, Ordinary all5% 6%
	3000 10 Ditto, 6 per cent. Preference., all 101/4 11
	9290 10 Bristol (L.) 712 832 912
	25000 10Bordeaux Tram & Omni. [L] all10 1/10 1/2
	3200 10Chester [L] all 9½ 10
m	24000 10Dublin
is	14690 10 Edinburgh Street Tramways all 14 15
is	35000 10Glasgow Tramway & Omni. [Lj. 9121/131/
	10000 10 Hughes Loco. and Tram. works, all 41/2 51/2
- 1	7500 10 Hull Street Tramways all 91/2 10
	7500 10Imperial [L] all 3.84
is	7500 10Imperial [L]
is	25000 10London [L] all10½11½
- 1	15000 10London Street Tramways all10 1114
- 1	60000 10North Metropolitan all15½ 16
- 1	8000 10 Nottingham and District [L] all 9 4 10
- 1	15947 10Provincial [L] all111/2 12
	6000 10Sheffield all 8 9
n	5000 10Southampton all10 101/2
m	6000 10Sunderland [L] all 7 9
19	10000 10 Swansea [L]
is is	12000 10Tramways of France [L] all91/4 101/4
n	16500 10 Tramways of Germany [L] all 10 101/4
B	20000 5 Tramways and Gen. Works [L]. all 6 1/4 7 1/4
- 1	40000 5Tramways Union [L]
- 1	25000 10 Vale of Clyde 6 4½ 4½
ls	7200 10Wolverhampton [L] all 91/2 10
	TELEGRAPH COMPANIES

Shar	er.	Pd.	Cl	08. pr
Btk.	Anglo-American	0 0	62	624
10	Brazilian Submarine 1	0	8	8 %
20	Direct United States Cable 20	0	1156	8 ½ 11 ¾
10	Eastern 10	0 (8%	- 18
10	East. Exten. Austr. and China 10	0	9	934
	Great Northern 10	0	91/2	93/
25	Indo-European 25	5 0	23	24
10	Mediterranean Extension 1 Reuters 100	0	3	31/2
8	Reuters	3 0	10	11
Stk.	Submarine	0	230	240
10	West India and Panama 10 Western and Brazilian 20	0	1%	2
20	Western and Brazilian 20	0	73%	8
01000	West. Union, 7 p.c. Mort. Bonds \$	1000	117	122

25	Australian Agricultural 21	10	80	83 5¾
Stk	Brighton Aquarium [L] 10 Cent. of New Jersey Con. Mort. 100	0	106	108
25	City of London Real Property 12	0	23/4	3¼ pm
	Diamond Rock Boring 4			3% die
16	Fore Street Warehouse [L] 14	0	836	9% pm
	Foster, Porter, and Co. [L] 10		17	17%
	Hudson's Bay Company 17	0	17%	18
71/2	Imperial Credit [L] 7	10		734
	Lehigh Val.Con.Mort., A,7p.c. 100	0	107	109
10	Milner's Safe [L] 10	0	8	1154
25	National Discount [L] 5	0	11	104
Stk.	N. Cent. Rail. Mort., 6 per cent. 10	0	102	e M nm
10	Pawson and Co. [L] 6	0	24 th	is ⅓ pm 56
	Peninsular and Oriental Steam 50	0	118	120
Btk.	Pennsyl.Gen.Mort.,6 p. c. 1880 100		113	115
Btk.	Do. Con. Sink. Fund, 6 p. c. 1905 100	0	190	200
Btk.	Scottish Australian Invt. Co. 100	0	99	104
Btk.	Ditto New Ordinary 50	0	128	133
Btk.	Ditto 6 per c. guar. pref100 Ditto 5 per c. guar, pref100	ñ	107	109
BUK.	Toloman's Count in Maint (T.) 12	ň	34	3436
12	Telegraph Const. & Maint. [L] 12 Ditto, 2nd Bonus, 3 per cent 5	0	31/4	
10	Tharsis Sulphur & Copper Co 10	0	28 1/2	29 1/2
GI+1c	Union Pacific Land Gt., 1st Mt. 100	0	112	114
CIAL.	Union Pacific Ry., 1st Mort100	0	115	117

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